

# **DIRECTORY OF EXTRAMURAL RESEARCH & DEVELOPMENT PROJECTS**

**2019-20**



**GOVERNMENT OF INDIA**

**MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
NATIONAL SCIENCE AND TECHNOLOGY MANAGEMENT INFORMATION SYSTEM (NSTMIS)  
NEW DELHI – 110 016**

**MARCH 2023**

<b>PCPM (NSTMIS) TECHNICAL TEAM</b>
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**Directory is available on-line at – <http://www.nstmis-dst.org>**

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वरिष्ठ सलाहकार एवं प्रमुख  
नीति समन्वय एवं कार्यक्रम प्रबंधन प्रभाग  
विज्ञान और प्रौद्योगिकी विभाग  
विज्ञान और प्रौद्योगिकी मंत्रालय  
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## PREFACE

Extramural Research and Development (R&D) projects support is a peer reviewed competitive grant mechanism of the Central Government to promote, catalyze and advance R&D and innovation in the country and provides special encouragement to scientists to pursue a research career. NSTMIS programme under the PCPM Division of the Department of Science and Technology (DST) has been collating, analyzing and disseminating information on Extramural Research and Development projects funded by various scientific agencies. Directory of Extramural R&D projects approved for funding by selected Central Government Departments/Agencies is being published by this department annually since 1990-91. Since 2000-01, the task for preparing the directory has been sponsored to Manpower Management Centre (MMC), New Delhi. The present directory, thirtieth in the series is an outcome of the efforts made in this regard for the projects funded during the year 2019-20 by various scientific agencies of the Government.

This directory contains information on 4076 R&D projects approved for funding by 16 scientific agencies/departments during 2019-20. We would like to thank all the funding agencies for the support extended by them in providing data for Extramural R&D. The directory begins with brief overview and analysis of the data and provides the projects details such as title, address of principal investigator, duration, name of funding agency/scheme and funds approved have been provided based on the data received from the funding agencies. The projects have been classified into 8 major subject areas such as Agricultural Sciences, Biological Sciences, Chemical Sciences, Earth Sciences, Engineering & Technology, Mathematics, Medical Sciences and Physical Sciences. For reference, indexes on the name of Principal Investigator, Institute and State are appended.

An online Dashboard of Extramural R&D has been developed to facilitate online data collection to ensure maximum participation from various scientific agencies. It also helps in usage and data analytics of extramural R&D by varied stakeholders including policymakers in S&T sector.

New Delhi  
March, 2023

(Akhilesh Gupta)

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## ABOUT THE DIRECTORY

### INTRODUCTION

National Science and Technology Management Information System (NSTMIS) programme under the PCPM Division of the Department of Science and Technology (DST) has been compiling information annually on extramural (also called sponsored) R&D projects since 1990-91 in order to exchange information on Research and Development (R&D) projects with different interest groups. This compiled information is published as an annual Directory of Extramural Research and Development projects approved for funding by various agencies during the year.

The task of collecting, compiling, analyzing and publishing the directory for the year 2019-20 was sponsored by the Department of Science & Technology to the Manpower Management Centre (MMC), New Delhi. The present directory, 30<sup>th</sup> in the series, provides details of 4076 sponsored R&D projects approved during the year 2019-20 by 16 Central Government Ministries/Departments/Agencies.

The following Ministries/Departments/Agencies of the Central Government have furnished the list of projects approved by them:

- 1 All India Council for Technical Education (AICTE)
- 2 Council of Scientific and Industrial Research (CSIR)
- 3 Defence Research and Development Organisation (DRDO)
- 4 Department of Bio-Technology (DBT)
- 5 Department of Coal (DOC)
- 6 Department of Science and Technology (DST)
- 7 Department of Scientific and Industrial Research (DSIR)
- 8 Indian Council of Agricultural Research (ICAR)
- 9 Indian Council of Medical Research (ICMR)
- 10 Indian Space Research Organisation (ISRO)
- 11 Ministry of AYUSH (AYUSH)
- 12 Ministry of Earth Sciences (MOES)
- 13 Ministry of Electronics & Information Technology (MEITY)
- 14 Ministry of Environment, Forests & Climate Change (MOEFCC)
- 15 Ministry of New & Renewable Energy (MNRE)
- 16 Ministry of Power (MOP)

**Note:**

The addresses of all above mentioned funding agencies are given in **Annexure-1**.

## LIMITATIONS

The data on Extramural R&D projects was collected from a number of Divisions in the Central Scientific Ministries/Departments/Agencies as per the standardized questionnaire designed by the NSTMIS, DST. Each division in the Central Scientific Ministries/Departments/Agencies has several schemes coordinated by various officials resulting in multiple contact points of interaction for collection of desired information which at times becomes a fairly time-consuming process. 20 funding agencies were approached of which 16 provided data for the year 2019-20. Despite repeated efforts and personal visits by survey team of MMC, quite a few funding agencies did not provide any data or provided only partial data. Moreover, data accuracy is also a challenge as data provided by several funding agencies was in abbreviated form such as acronym of Institution, name, missing designations, incomplete addresses/PIN of the Institutes, no details regarding duration of the projects & subject-areas etc. As a judicious exercise, MMC survey team cross-validated data on funding agencies website's however most updated data was not available on some websites. The survey team had to put in extra efforts to complete this information by communicating several times with the funding agencies. As the listing of projects is based on the inputs received from the responding agencies, it is presumed that the information furnished by them was complete. The project cost refers to the initial approved cost of the project for the initial approved duration of the project. It is quite possible that some of the projects mentioned in this directory may not be R&D Projects in the strict sense of the term.

## ORGANISATION OF THE DIRECTORY

The projects have been listed in the directory by major subject area-wise. Under each major subject area, the projects have been arranged by funding agency-wise and also scheme-wise within funding agency. Under each scheme, the projects have been arranged alphabetically as per the title of the project. For each project, the information included is record number, title of the project, name of the funding agency/scheme, name and address of the investigator/institute, approved cost of the project and the duration of the project. The third column of the directory gives the name of funding agency and scheme. For example, this has been given as "DST-BDTD". Here "DST" is the name of the funding agency i.e. Department of Science and Technology and "BDTD" is the acronym used for the name of the scheme under which the project was approved i.e. Biomedical Device and Technology Development. For explanation of abbreviations/acronym for the agencies and schemes, the readers are advised to see **Table 1 & 2** under the Section "**BRIEF ANALYSIS**". For a quick reference, Index pages on Principal Investigator and Institute etc., have been provided in the directory at the end. The addresses of the funding agencies have been given at **Annexure-1**. **Annexure-2** gives institute-wise extramural R&D support committed during the year 2019-20. A brief analysis on the pattern of funding during the year 2019-20 is given in the following paragraphs.



## BRIEF ANALYSIS

As shown in **Table 1**, 4076 new extramural R&D projects costing **Rs. 2529.42 Crore** were approved by 16 funding agencies during the year 2019-20. Detailed Scheme-wise support to these extramural R&D projects by responding agencies is given in **Table 2**.

**TABLE 1**

### AGENCY-WISE SUPPORT TO EXTRAMURAL R&D PROJECTS APPROVED DURING 2019-20

S. No.	Department/Ministry/Agency	No. of Projects		Total Approved Cost (Rs. Crore)	
		No.	%age	Rs.	%age
1	All India Council for Technical Education (AICTE)	87	2.13	7.59	0.30
2	Council of Scientific and Industrial Research (CSIR)	264	6.48	31.21	1.23
3	Defence Research and Development Organisation (DRDO)	107	2.63	70.88	2.80
4	Department of Bio-Technology (DBT)	276	6.77	330.81	13.08
5	Department of Coal (DOC)	1	0.02	3.97	0.16
6	Department of Science and Technology (DST)	2924	71.74	1402.80	55.46
7	Department of Scientific and Industrial Research (DSIR)	21	0.52	1.44	0.06
8	Indian Council of Agricultural Research (ICAR)	4	0.09	2.19	0.08
9	Indian Council of Medical Research (ICMR)	137	3.36	68.21	2.70
10	Indian Space Research Organisation (ISRO)	136	3.34	33.08	1.31
11	Ministry of AYUSH (AYUSH)	7	0.17	3.28	0.13
12	Ministry of Earth Sciences (MOES)	39	0.96	30.63	1.21
13	Ministry of Electronics & Information Technology (MEITY)	35	0.86	310.61	12.28
14	Ministry of Environment, Forests & Climate Change (MOEFCC)	13	0.32	7.00	0.27
15	Ministry of New & Renewable Energy (MNRE)	12	0.29	221.46	8.76
16	Ministry of Power (MOP)	13	0.32	4.26	0.17
	<b>Total</b>	<b>4076</b>	<b>100</b>	<b>2529.42</b>	<b>100</b>

**Note:**

- 'Nil' Reports were provided by 4 Department/Ministry/Agencies namely: Department of Atomic Energy (DAE), Ministry of Jal Shakti (MOJS), Ministry of Steel (MOS), University Grants Commission (UGC)
- The addresses of all the above agencies are given in **Annexure-1**.

TABLE 2

**SCHEME-WISE SUPPORT TO EXTRAMURAL R&D PROJECTS APPROVED DURING 2019-20**

S. No.	Department/Ministry/Agency	Number of Projects	Total Approved Cost (Rs. Crore)
	- Schemes		
1	All India Council for Technical Education (AICTE)		
	- Research Promotion (RP)	87	7.59
2	Council of Scientific and Industrial Research (CSIR)		
	- Emeritus Scientist Scheme (ES)	34	3.42
	- General Scheme (GS)	220	26.64
	- Sponsored Scheme (SS)	10	1.15
3	Defence Research and Development Organisation (DRDO)		
	- Aeronautics Research & Development Board (AR&DB)	45	23.19
	- Directorate of Extramural Research & Intellectual Property Rights (ER & IPR)	22	25.93
	- Life Science Research Board (LSRB)	21	7.65
	- Naval Research Board (NRB)	19	14.11
4	Department of Bio-Technology (DBT)		
	- Research & Development (R&D)	276	330.81
5	Department of Coal (DOC)		
	- S&T Grant (S&T Grant)	1	3.97
6	Department of Science and Technology (DST)		
	- Advanced Manufacturing Technologies (AMT)	29	38.59
	- Arid, Semi Arid & Cold Desert Regions (ASACODER)	1	1.02
	- Biomedical Device and Technology Development (BDTD)	34	12.07
	- Carbon Capture Utilisation & Storage (CCUS)	19	18.63
	- Clean Coal & Air Technologies (CCAT)	7	9.24
	- Clean Energy Research Initiative (CERI)	10	8.67
	- Device Development Programme (DDP)	19	5.49
	- Hydrogen & Fuel Cell (HFC)	57	67.70
	- Industrial Waste Water Treatment (IWWT)	25	10.78
	- International Bilateral Cooperation (IBC)	216	66.90
	- Nano-Mission (N-M)	13	11.91
	- National Geospatial Programme (NGP)	33	32.45
	- Scheduled Caste Sub Plan (SCSP)	25	31.15
	- Scheme for Young Scientists & Technologists (SYST)	24	8.34
	- Science & Technology for Women (WS)	10	4.43
	- Science and Heritage Research Initiative (SHRI)	19	7.73
	- SPLICE - Climate Change Programme (CCP)	13	40.11
	- State Science & Technology Programme (SSTP)	32	29.03
	- Technology Development Programme (TDP-AGRO)	15	9.38
	- Technology Fusion & Application Research (TFAR)	34	136.69
	- Technology Interventions for Addressing Societal Needs (TIASN)	10	4.83
	- Technology Interventions for Disabled & Elderly (TIDE)	14	4.42
	- Technology Interventions for Empowerment of Tribal Population (TITE)	36	35.68
	- Waste Management Technologies (WMT)	1	0.77
	- Water Technology Initiative Programme (WTI)	6	27.71
	- Women Scientist Scheme - A (WOS-A)	205	56.06
	Science & Engineering Research Board (SERB)		

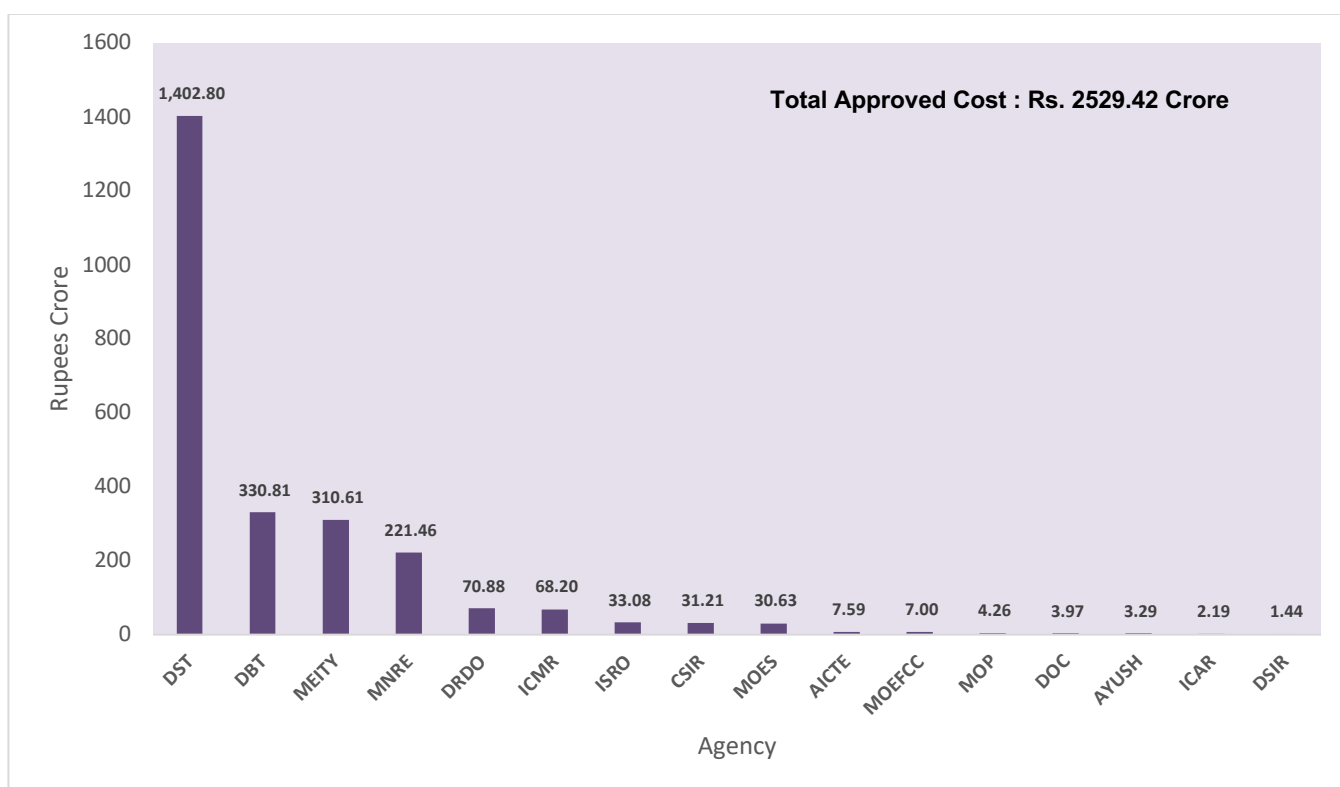
	- SERB - Core Research Grant (CRG)	1015	435.67
	- SERB - Early Career Research Award (ECRA)	90	36.18
	- SERB - Empowerment & Equity Opportunities for Excellence in Science (EMEQ)	198	71.67
	- SERB - High Risk High Reward (HRHR)	1	4.49
	- SERB - Impacting Research Innovation & Technology (IMPRINT-2)	58	46.79
	- SERB - Intensification of Research in High Priority Areas (IRHPA)	3	8.03
	- SERB - Industry Relevant R&D (IRRD)	8	2.34
	- SERB - Mathematical Research Impact Centric Support (MATRICS)	245	16.17
	- SERB - Start-up Research Grant (SRG)	398	100.81
	- SERB - Scientific & Useful Profound Research Advancement (SUPRA)	1	0.87
<b>7</b>	Department of Scientific and Industrial Research (DSIR)		
	- Promoting Innovations in Individuals, Start-ups & MSMEs (PRISM)	21	1.44
<b>8</b>	Indian Council of Agricultural Research (ICAR)		
	- Horticultural Science - Extramural Fund (HORTSC)	4	2.19
<b>9</b>	Indian Council of Medical Research (ICMR)		
	- Ad-hoc (ADHOC)	96	31.91
	- Centre for Advanced Research (CARE)	1	2.51
	- Task Force (TF)	40	33.79
<b>10</b>	Indian Space Research Organisation (ISRO)		
	- Research Sponsored (RESPOND)	124	30.92
	- Space Science Promotion (SSP)	12	2.16
<b>11</b>	Ministry of AYUSH (AYUSH)		
	- Ayurveda - Extramural Research (AYURVEDA)	3	1.25
	- Homoeopathy - Extramural Research (HOMOEOPATH)	2	0.96
	- Siddha - Extramural Research (SIDDHA)	1	0.68
	- Yoga & Naturopathy - Extramural Research (YOGA)	1	0.39
<b>12</b>	Ministry of Earth Sciences (MOES)		
	- Research, Education, Training & Outreach (REACHOUT)	39	30.63
<b>13</b>	Ministry of Electronics & Information Technology (MEITY)		
	- Research & Development (R&D)	35	310.61
<b>14</b>	Ministry of Environment, Forests & Climate Change (MOEFCC)		
	- Research & Development for Conservation & Development (RD CD)	13	7.00
<b>15</b>	Ministry of New & Renewable Energy (MNRE)		
	- Renewable Energy Research & Technology Development Programme (RETD)	12	221.46
<b>16</b>	Ministry of Power (MOP)		
	- Research Scheme on Power (RSoP)	13	4.26
		<b>4076</b>	<b>2529.42</b>

## FUNDING AGENCY-WISE ANALYSIS

**Figure 1** shows the pattern of funding by various Central Government Extramural R&D sponsoring agencies. It may be seen that the Department of Science & Technology (DST) accounted for the maximum support of Rs. 1402.80 Crore (55.46%) followed by Department of Biotechnology with Rs. 330.81 Crore (13.08%). The two departments namely Department of Science & Technology (DST) & Department of Biotechnology (DBT) together played major role in extramural R&D funding in the country by contributing more than 68.54% of the total extramural R&D support at national level.

The other agencies that funded large sanctions have been the Ministry of Electronics & Information Technology (MEITY) with Rs. 310.61 Crore (12.28%) followed by Ministry of New & Renewable Energy (MNRE) at Rs. 221.46 Crore (8.76%). Defence Research and Development Organisation (DRDO) provided funding of Rs. 70.88 Crore (2.80%) and support of Rs. 68.20 Crore (2.70%) was provided by the Indian Council of Medical Research (ICMR).

### R&D SUPPORT BY CENTRAL S&T AGENCIES DURING 2019-20



**FIGURE 1**

## SUBJECT AREA-WISE ANALYSIS

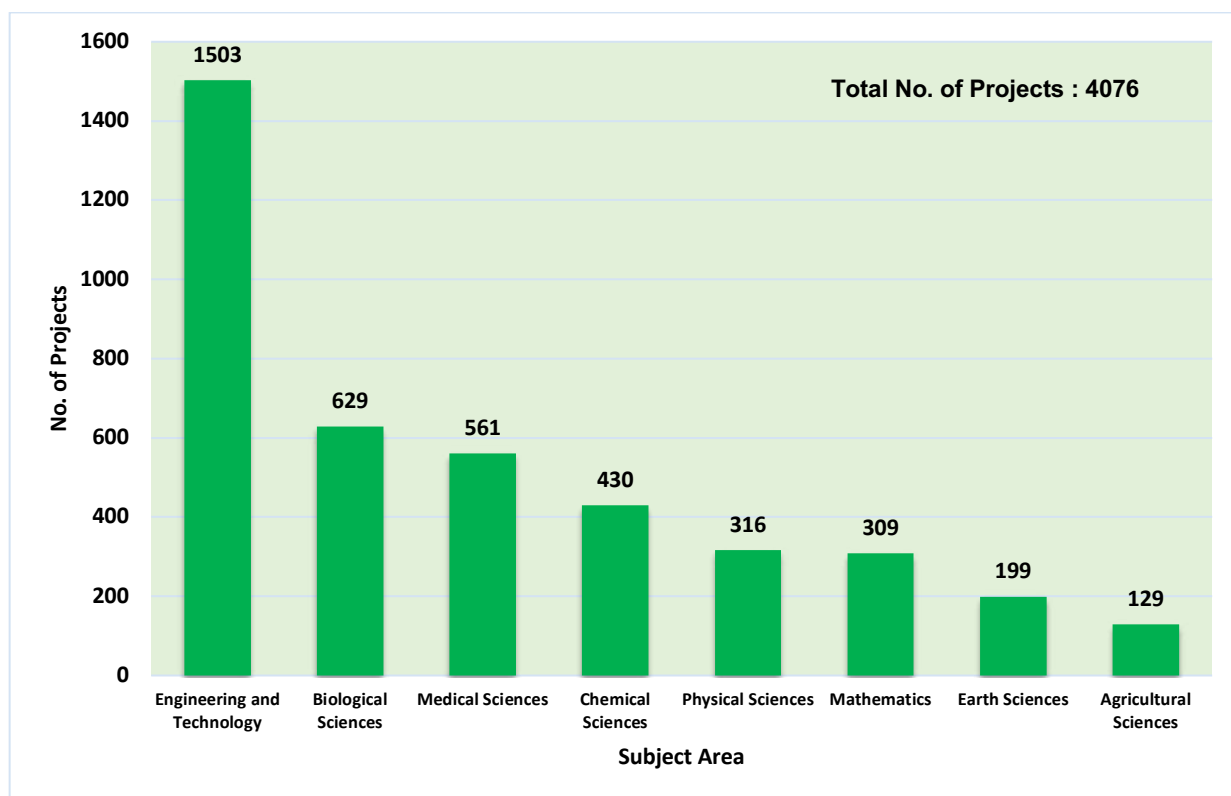
The projects are classified in eight major subject areas as under:

- |                          |                             |                      |
|--------------------------|-----------------------------|----------------------|
| a) Agricultural Sciences | b) Biological Sciences      | c) Chemical Sciences |
| d) Earth Sciences        | e) Engineering & Technology | f) Mathematics       |
| g) Medical Sciences      | h) Physical Sciences        |                      |

The classification of R&D projects has been done based on the **subject area** indicated by the agencies and also based on the title of the projects. Some of the projects may be multi-disciplinary in nature but have been classified into one of the subject areas mentioned above, depending on their major thrust. **Figure 2** shows number of extramural R&D projects approved in each subject area during the year 2019-20. It shows that maximum number of projects were in the subject areas Engineering & Technology, Biological Sciences, and Medical Sciences. Maximum number of projects were in the subject area of Engineering & Technology i.e. 1503. Out of these 1503 projects, the maximum number of projects i.e. 1121 were approved by the Department of Science & Technology (DST) followed by 104 projects by Indian Space Research Organisation (ISRO), 70 projects by All India Council for Technical Education (AICTE). Biological Sciences subject area received funding of a total 629 projects; of which funding agencies namely DST (424), DBT (114), CSIR (53) contributed the maximum.

The next in order is 'Medical Sciences' in which 561 projects were approved, as seen in **Figure 2**. Out of these, the maximum number of projects i.e. 280 were approved by Department of Science & Technology (DST) followed by 137 projects by Indian Council of Medical Research (ICMR).

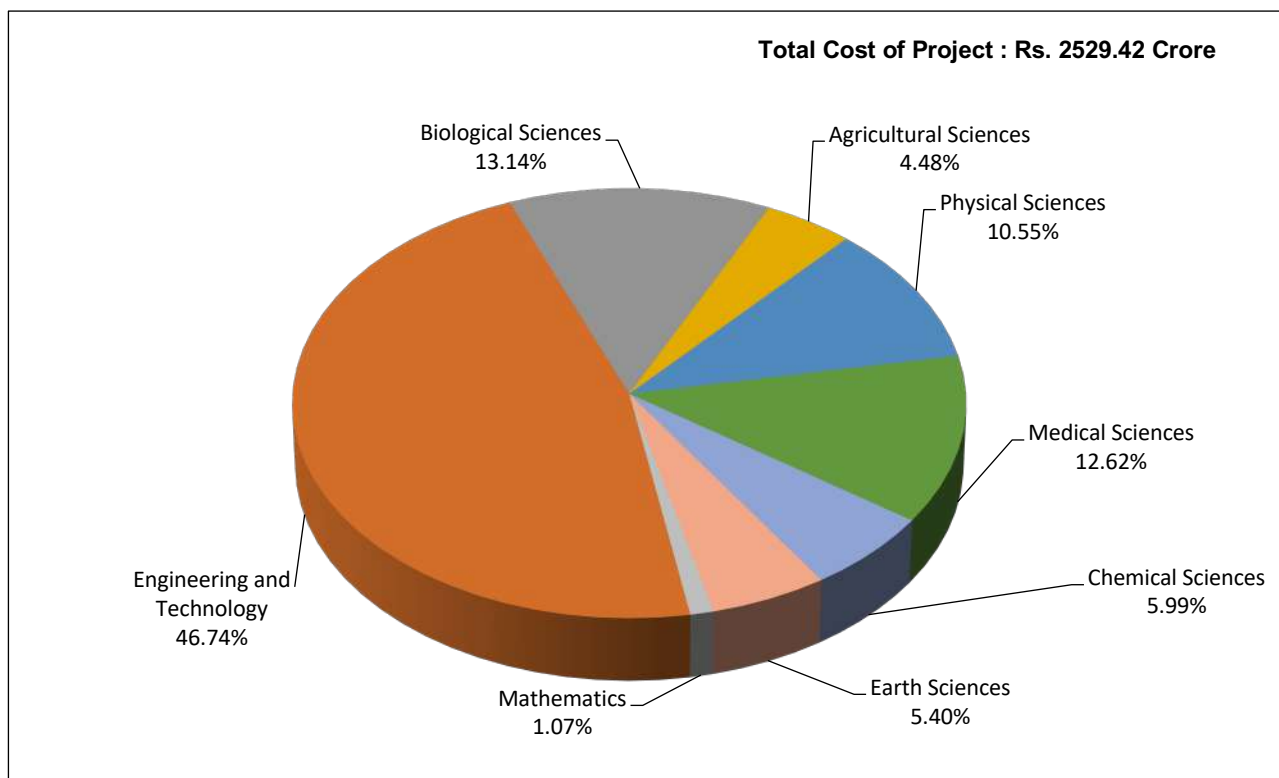
**SUBJECT AREA-WISE NUMBER OF R&D PROJECTS APPROVED  
DURING 2019-20**



**FIGURE 2**

**Figure 3** shows subject area-wise R&D support during the year 2019-20. Among the top 3 recipients subject areas **Engineering and Technology** received maximum financial support of 46.74 per cent followed by **Biological Sciences** at 13.14 per cent and **Medical Sciences** at 12.62 per cent. **Physical Sciences** area received financial support of 10.55 per cent followed by **Chemical Sciences** at 5.99 per cent. Projects in the area of **Earth Sciences** and **Agricultural Sciences** received financial support of 5.40 per cent and 4.48 per cent respectively. The least financial support of 1.07 per cent was received by **Mathematics**.

### SUBJECT AREA-WISE R&D SUPPORT DURING 2019-20



**FIGURE 3**

**Table 3** gives information about the subject area-wise distribution of Extramural R&D projects along with their total approved cost.

**TABLE 3**

#### SUBJECT AREA-WISE DISTRIBUTION OF EXTRAMURAL R&D PROJECTS AND THEIR APPROVED COST DURING 2019-20

Subject Area	Number of Projects	(Rs. Crore)
		Total Approved Cost
Agricultural Sciences	129	113.33
Engineering and Technology	1503	1182.23
Medical Sciences	561	319.19
<b>Natural Sciences :</b>		
Biological Sciences	629	332.49
Chemical Sciences	430	151.62
Earth Sciences	199	136.50
Mathematics	309	27.13
Physical Sciences	316	266.93
<b>Total</b>	<b>4076</b>	<b>2529.42</b>

## TYPES OF INSTITUTE-WISE ANALYSIS

The institutions have been classified into five categories such as:

- A. Universities/Colleges
- B. Deemed Universities
- C. Institutes of National Importance
  - Indian Institute of Technology, All India Institute of Medical Sciences, Indian Statistical Institute, Indian Institute of Science Education & Research, Indian Institutes of Management and National Institute of Technology
- D. National Research Laboratories
  - Laboratories under CSIR, ICAR, ICMR, DRDO and autonomous institutions under Central Government Ministries/Departments, Central Public Sector Undertakings
- E. Others
  - Institutions which are not covered under A, B, C & D above.

The distribution of Extramural R&D Projects by types of Institutes with their approved cost has been indicated in **Table 4**. The number given in column 2 in this Table refers to **unique institutes** which received 4076 projects for implementation.

**TABLE 4**

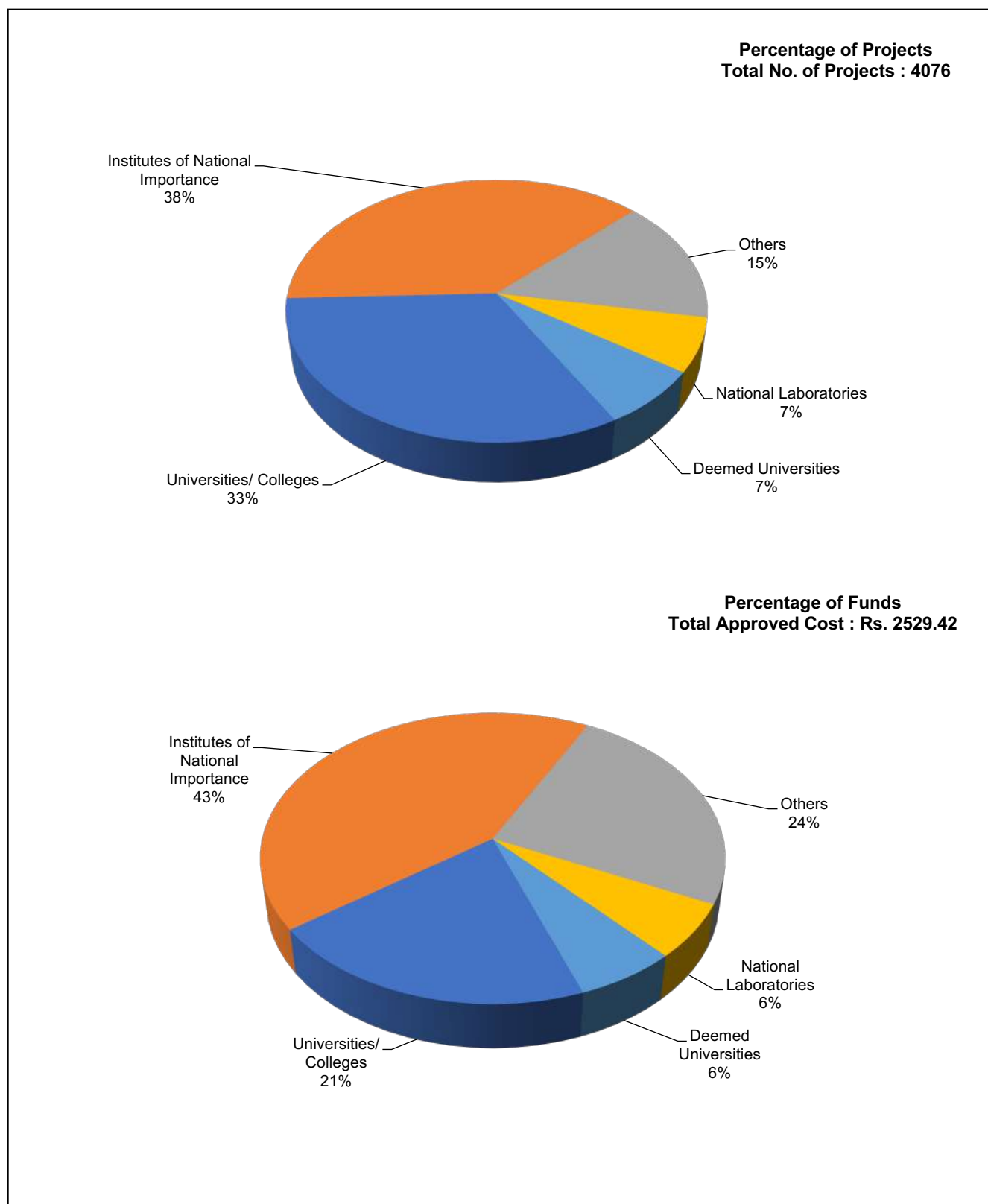
### **DISTRIBUTION OF EXTRAMURAL R&D PROJECTS BY TYPES OF INSTITUTES AND THEIR APPROVED COST DURING 2019-20**

Types of Institutes	Number of Institutes	Number of Projects	Total Approved Cost (Rs. Crore)	Percentage of Total Approved Cost
Universities/Colleges	435	1335	520.34	21
Deemed Universities	27	290	157.73	6
Institutes of National Importance	77	1560	1078.25	43
National Laboratories	40	270	153.93	6
Others	254	621	619.17	24
<b>Total:</b>	<b>833</b>	<b>4076</b>	<b>2529.42</b>	<b>100</b>

**\*Note** : Distribution is shown at the end of Annexure 2.

**Figure 4** hereunder shows the percentage distribution of number of projects and its approved cost by types of Institutions during the year 2019-20. The maximum number i.e. 38% of the projects were sanctioned to Institute of National Importance with financial support of 43%. Universities/Colleges received 33% of the projects with financial support of 21%. 15% of the total projects were given to Others category and 7% to Deemed Universities with financial support of 24% and 6% respectively. 7% of the projects were given to National Laboratories with financial support of 6%. The total financial support to academic sector (A, B & C categories) was 70%.

**DISTRIBUTION OF R&D PROJECTS BY TYPES OF INSTITUTES  
AND APPROVED COST DURING 2019-20**



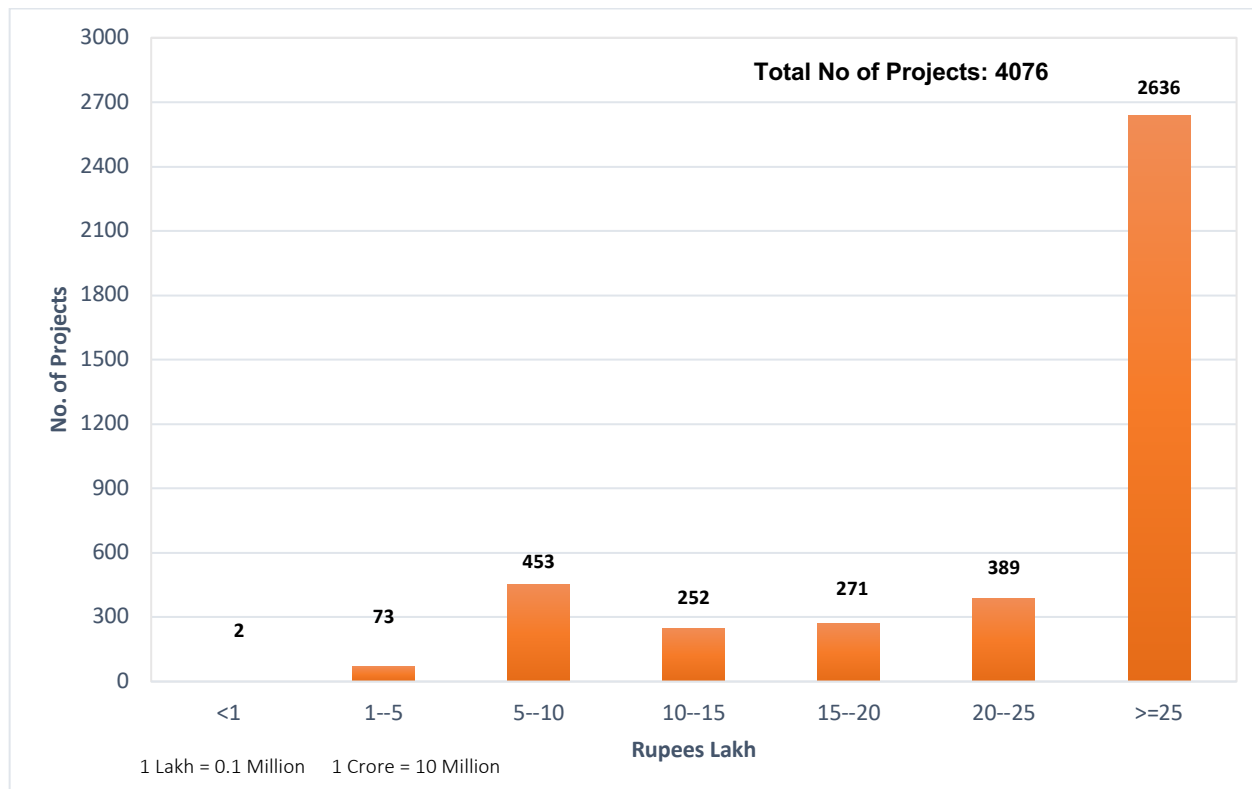
**FIGURE 4**



## COST RANGE-WISE ANALYSIS

As per **Figure 5**, the analysis indicates that 2636 projects were in the cost range of Rs. 25 lakh & above. In addition to these, there were 1440 projects costing less than Rs. 25 lakh. Of these total 1440 projects maximum number of projects were in the cost range of Rs. 5 to 15 lakh followed by 389 projects in the cost range of Rs. 20 to 25 lakh. 271 projects in the cost range of Rs. 15 to 20 lakh, 252 projects were in the cost range of Rs. 10 to 15 lakh and 73 projects were in the cost range of Rs. 1 to 5 lakh. There were only 2 projects costing less than Rs. 1 lakh.

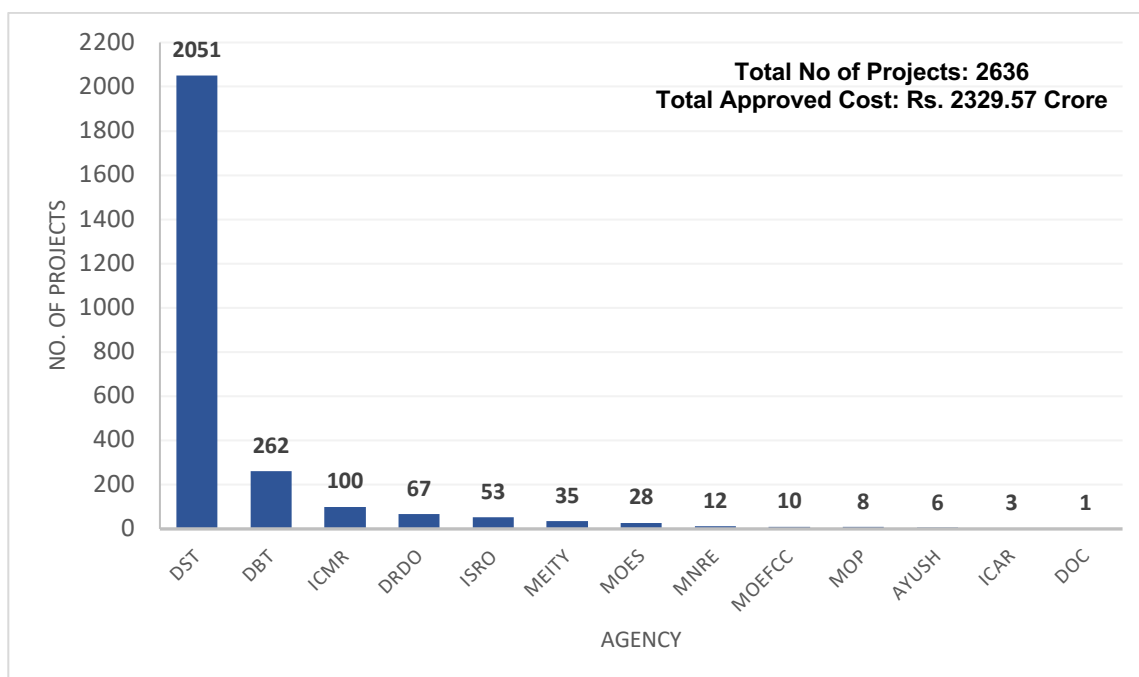
### DISTRIBUTION OF R&D PROJECTS BY APPROVED COST DURING 2019-20



**FIGURE 5**

Agency-wise distribution of 2636 large projects costing equal to and above Rs. 25 lakh each has been given in **Figure-6**. Out of this, maximum number of projects i.e. 2051 were funded by the Department of Science & Technology (DST) followed by 262 by the Department of Biotechnology (DBT), 100 projects by Indian Council of Medical Research (ICMR), 67 projects by Defence Research & Development Organisation (DRDO), 53 projects by Indian Space Research Organisation (ISRO), 35 projects by Ministry of Electronics & Information Technology (MEITY) and 28 projects by Ministry of Earth Sciences (MOES). A total of 40 projects were funded by other agencies i.e. MNRE (12), MOEF (10), MOP (8), AYUSH (6), ICAR (3) and DOC (1).

**AGENCY-WISE DISTRIBUTION OF R&D PROJECTS  
COSTING Rs. 25 LAKH & ABOVE DURING 2019-20**



**FIGURE 6**

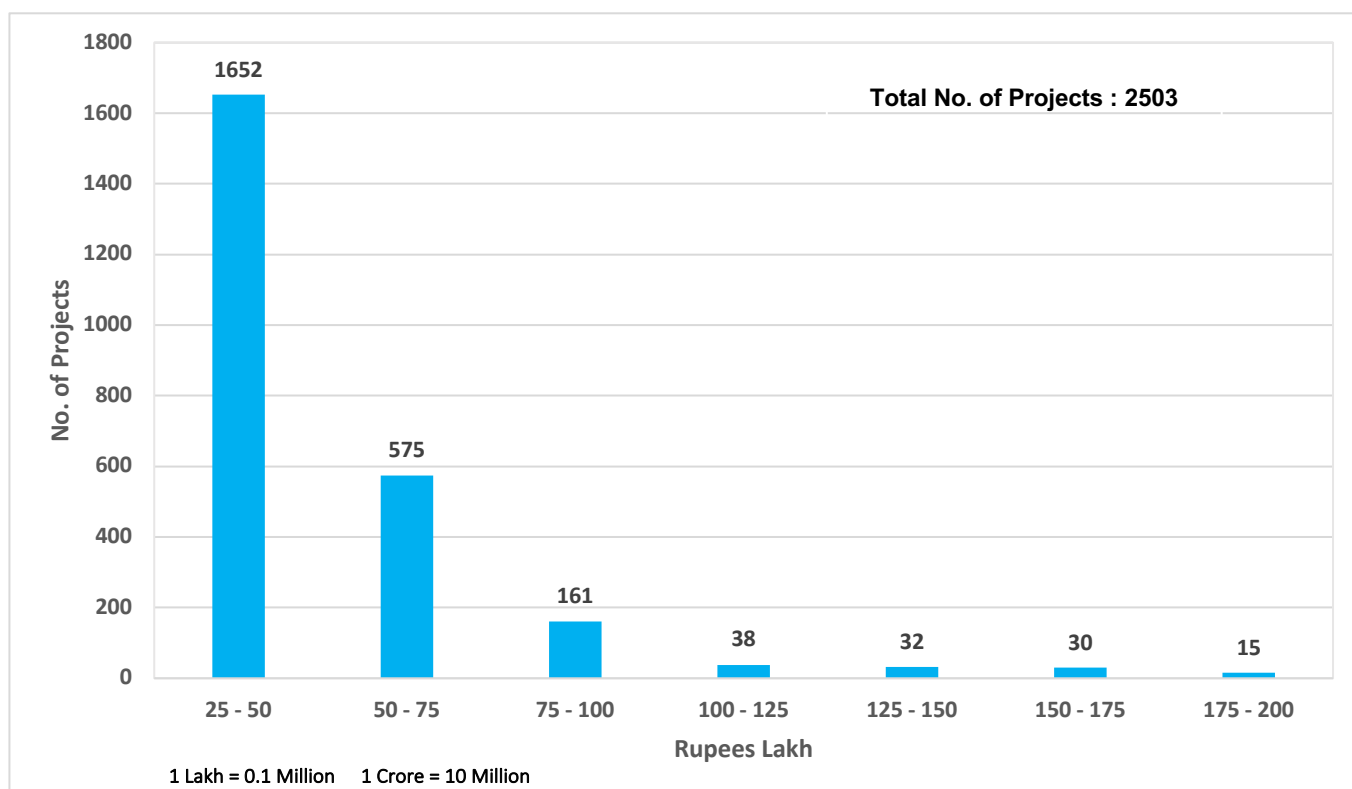
Of the total 2636 projects costing above Rs. 25 Lakhs, 2503 projects were in the range costing Rs. 25 lakh upto Rs. 2 Crore as can be seen in Table-5. The table also shows along with distribution of projects by total approved cost. The highest number of projects i.e. 1652 were in the cost range of Rs. 25-50 lakh, 575 in the range of Rs. 50-75 lakh and 161 projects between the cost range of Rs. 75-100 lakh. Cumulatively there were 115 projects were in the range of Rs. 1-2 Crore. The total approved cost for 2503 projects was Rs. 1241 Crore as can be seen in Table 5.

**TABLE 5**

**DISTRIBUTION OF EXTRAMURAL R&D PROJECTS COSTING  
Rs. 25 LAKH TO  $\geq$  2 CRORE DURING 2019-20**

Cost Range (Rs. Lakh)	Number of Projects	Total Approved Cost (Rs. Crore)
25-50	1652	596
50-75	575	346
75-100	161	137
100-125	38	42
125-150	32	43
150-175	30	49
175-200	15	28
<b>Total</b>	<b>2503</b>	<b>1241</b>

**DISTRIBUTION OF R&D PROJECTS BY APPROVED COST OF  
Rs. 25 LAKH TO >=2 CRORE DURING 2019-20**



**FIGURE 7**

Table 6 presents distribution of projects costing Rs. 2 Crore and above along with total approved costs. Of the total 2503 projects costing above Rs. 25 Lakhs, 79 projects were sanctioned between Rs. 2 Crore to Rs. 5 Crore for a total approved cost of Rs. 240 Crore.

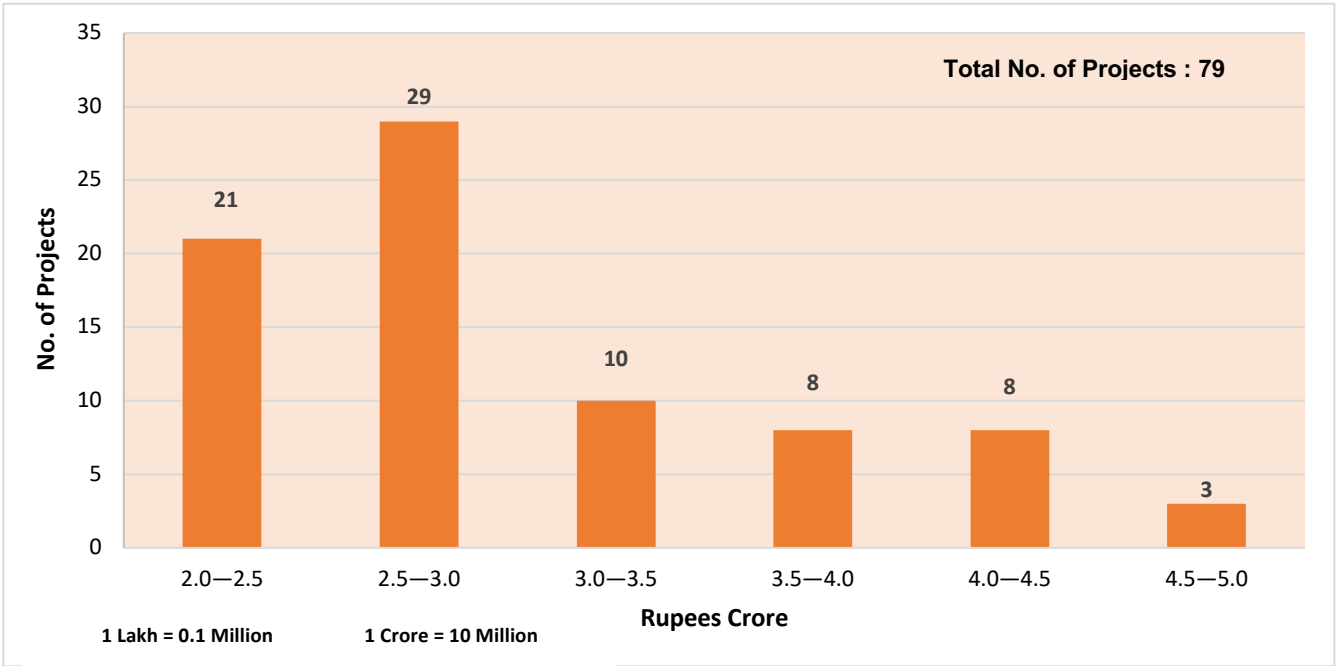
**TABLE 6**

**DISTRIBUTION OF EXTRAMURAL R&D PROJECTS COSTING  
Rs. 2 CRORE TO >=5 CRORE DURING 2019-20**

Cost Range (Rs. Crore)	Number of Projects	Total Approved Cost (Rs. Crore)
2.0—2.5	21	48
2.5—3.0	29	80
3.0—3.5	10	32
3.5—4.0	8	31
4.0—4.5	8	35
4.5—5.0	3	14
<b>Total</b>	<b>79</b>	<b>240</b>

As per **Figure 8**, the high valued projects sanctioned between Rs. 2 Crore to  $\geq 5$  Crore during the year were 79. The high valued projects sanctioned by Department of Science & Technology (DST) were 42 amounting to Rs. 124.94 Crore. Ministry of Electronics & Information Technology (MEITY) sanctioned 14 high valued projects of Rs. 43.25 Crore followed by 12 projects of Department of Biotechnology (DBT) of Rs. 34.55 Crore. Indian Council of Medical Research (ICMR) sanctioned 4 projects of Rs. 12.69 Crore. MNRE, MOES and DRDO sanctioned 2 projects each. DOC sanctioned 1 high value project each of Rs. 3.97 Crore.

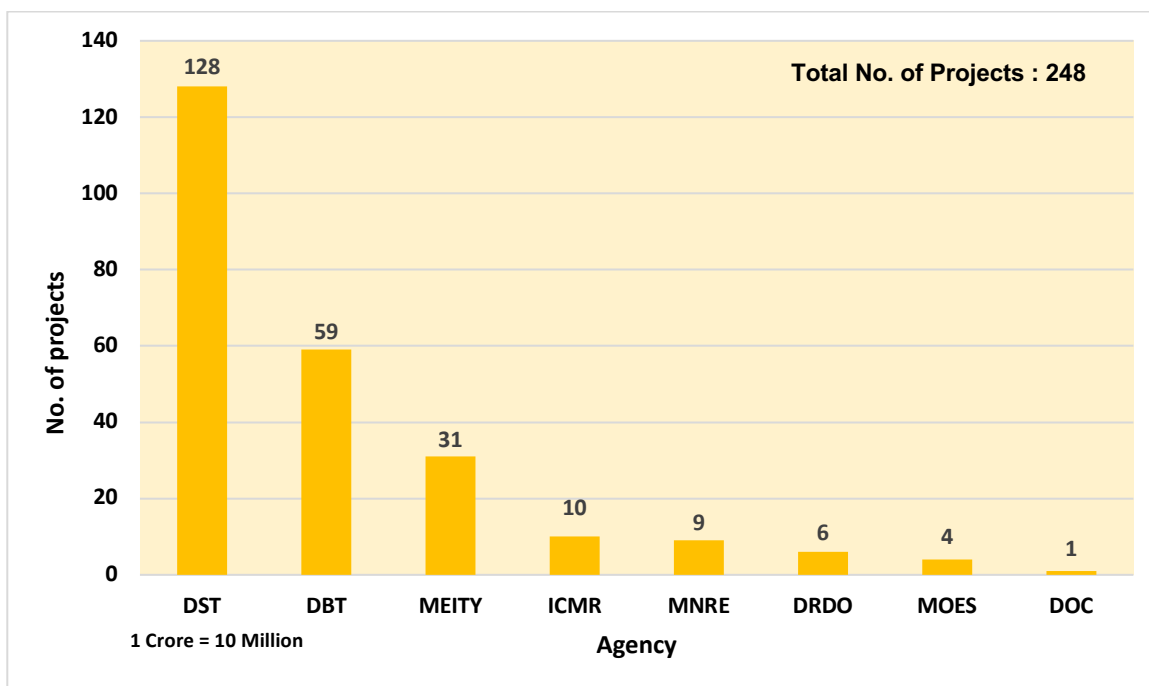
**DISTRIBUTION OF R&D PROJECTS BY APPROVED COST OF  
Rs. 2 CRORE TO  $\geq$  5 CRORE DURING 2019-20**



**FIGURE 8**

**Figure 9** indicates that there were 248 projects costing Rs. 1 Crore & above which were funded by 8 agencies during 2019-20. Majority of these projects i.e. 128 (51.61%) were funded by the Department of Science & Technology (DST) followed by 59 (23.79%) projects by Department of Biotechnology (DBT). A total of 31 (12.5%) projects by Ministry of Electronics & Information Technology (MEITY) followed by Indian Council of Medical Research (ICMR) with 10 (4.03%) projects. The remaining 20 (8.06%) projects were funded by four agencies namely MNRE (9), DRDO (6), MOES (4) and DOC (1).

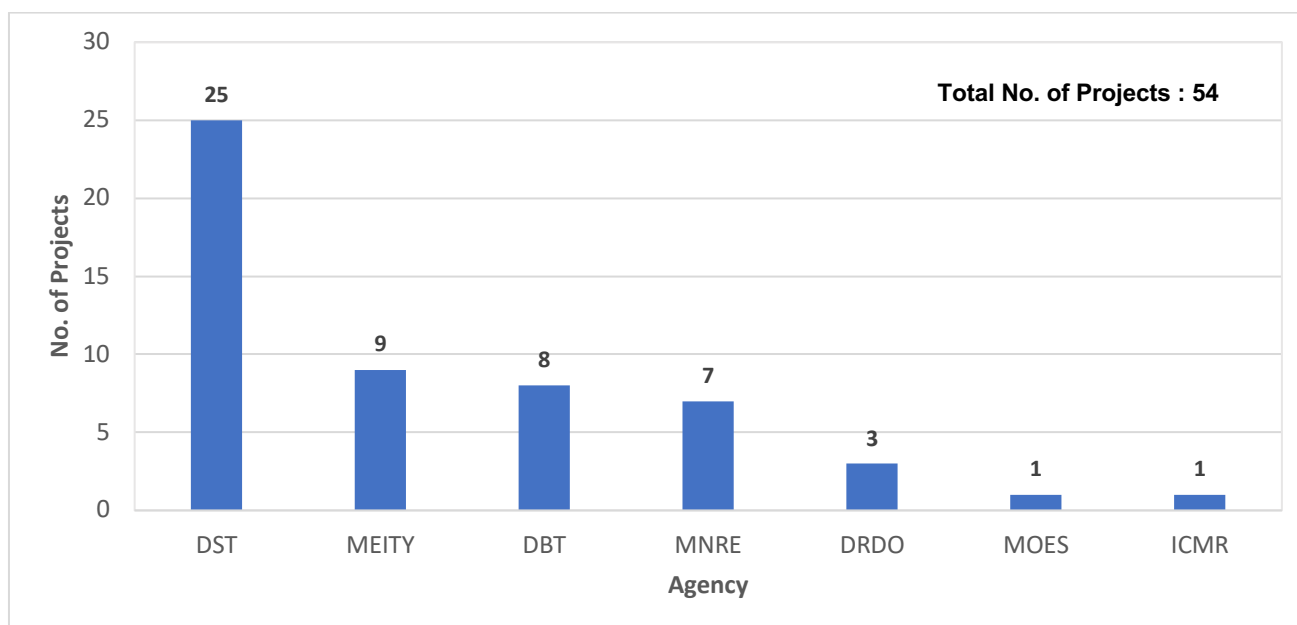
**AGENCY-WISE DISTRIBUTION OF R&D PROJECTS COSTING  
Rs. 1 CRORE & ABOVE DURING 2019-20**



**FIGURE 9**

It may be seen from **Figure 10** that there were a total of 54 projects costing Rs. 5 Crore and above sanctioned by seven agencies. The maximum number of projects i.e. 25 were funded by the Department of Science & Technology (DST) followed by 9 projects by the Ministry of Electronics & Information Technology (MEITY). The remaining 20 projects were funded by the other 5 agencies namely by DBT (8), MNRE (7), DRDO (3), MOES (1) and ICMR (1).

**AGENCY-WISE DISTRIBUTION OF R&D PROJECTS COSTING  
Rs. 5 CRORE & ABOVE DURING 2019-20**



**FIGURE 10**

## GENDER-WISE ANALYSIS : PRINCIPAL INVESTIGATORS (PIs)

The gender-wise distribution of Principal Investigators (PIs) who took up 4076 Extramural R&D Projects is shown in **Table 7**. Women participation as Principal Investigators of Extramural Projects was 25 per cent in comparison to 28 per cent during 2017-18. These female PIs have taken up 23 per cent of the total 4076 projects this year in comparison to 26 per cent of total projects 4616 during the previous year of 2018-19.

**TABLE 7**

### GENDER-WISE DISTRIBUTION OF PRINCIPAL INVESTIGATORS DURING 2019-20

Gender	Principal Investigator		Projects	
	Number	%age	Number	%age
Male	2480	75	3121	77
Female	848	25	949	23
Heads*	2	0	6	0
<b>Total</b>	<b>3330</b>	<b>100</b>	<b>4076</b>	<b>100</b>

**\*Note** : Projects approved to Heads of Organisations & Institutions, their gender information is not available. Individual PI can receive funding for multiple projects in one year.

## GENDER-WISE ANALYSIS : CO-PRINCIPAL INVESTIGATORS (Co-PIs)

Information on Co-Principal Investigators (Co-PIs) is recorded specifically with an intent to highlight the wider participation of women in Extramural Research (EMR). The gender-wise distribution of Co-Principal Investigators (Co-PIs) who took up Extramural R&D Projects is shown in **Table 8**. Women participation as Co-PIs of Extramural projects was 18 per cent of the total 1820 projects.

**TABLE 8**

### GENDER-WISE DISTRIBUTION OF CO-PRINCIPAL INVESTIGATORS DURING 2019-20

Gender	Number of Co-PI*	Percentage
Male	1501	82
Female	319	18
<b>Total</b>	<b>1820</b>	<b>100</b>

**\*Note** : Co-PI data is based upon survey response received from various funding agencies.

## STATE-WISE ANALYSIS

The detailed data regarding State-wise support to extramural R&D projects is given in **Annexure-3**, which shows that the highest number of 489 projects were funded in Tamil Nadu at a total cost of Rs. 381.17 Crore (15.07%), followed by 398 projects in West Bengal costing Rs. 170.96 Crore (6.76%), 381 projects in Maharashtra costing Rs. 337 Crore (13.32%), 377 projects in Delhi costing Rs. 256.46 Crore (10.14%). The information about the remaining States can be seen from Annexure-3.

In all 3330 PIs and 850 Institutions inclusive of "Individual Scientists & Others" handled 4076 Extramural R&D Projects in 32 States and Union Territories at a total cost of Rs. 2529.42 Crore.

## SALIENT FINDINGS

- ❖ Total number of Extramural projects were 4076 in 2019-20 as compared to 4616 in 2018-19.
- ❖ Extramural R&D support was Rs. 2529.42 Crore in 2019-20 as compared to Rs. 2091.04 Crore in 2018-19.
- ❖ Department of Science and Technology (DST) accounted for the maximum Extramural Research (EMR) support of Rs. 1402.8 Crore (55%) followed by the Department of Biotechnology (DBT) with Rs. 330.81 Crore (13%). The two Departments together contributed to 68% of the total extramural R&D funding in India.
- ❖ Ministry of Electronics & Information Technology (MEITY) has emerged as another big supporter of extramural research with a funding of Rs. 310.61 Crore (12%).
- ❖ Engineering and Technology received maximum number of projects (1503) with financial support of (47%), followed by Biological Sciences (629) projects with financial support of (13%). Medical Sciences projects (561) received financial support of (13%).
- ❖ Academic sector received 70% of the extramural R&D support during 2019-20.
- ❖ 3330 Principal Investigators (PIs), undertook 4076 EMR projects during 2019-20 in comparison to 3839 PIs undertaking 4616 projects during 2018-19.
- ❖ Women PIs participation receiving EMR projects was 25% during 2019-20 as compared to 28% during 2018-19.
- ❖ Women Co-PIs participation receiving EMR projects was range bound between 17-18% during the Years 2019-20 & 2018-19.
- ❖ 66% of the projects were received by the institutes located in 8 States namely Tamil Nadu, Delhi, Karnataka, Maharashtra, Uttar Pradesh, West Bengal, Telangana and Kerala accounting for a share of 71% of total EMR funding.
- ❖ 23 Indian Institute of Technology (combined) received maximum number of projects (1032) with highest financial support of Rs. 782.80 Crore followed by 7 Indian Institute of Science Education & Research (combined) received (165) projects with financial support of Rs. 122.30 Crore

**LIST OF PROJECTS  
BY  
BROAD SUBJECT AREAS**



## BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1	A simple microfluidic diagnostic chip for rapid & sensitive evaluation of Vitamin D deficiency	DBT-R&D	Tetala,K.K.R., Dr. (M) Assistant Profesor Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	36.45	36
2	Accelerated development of Kunitz trypsin inhibitor free soybean genotype with charcoal rot resistance through marker assisted selection	DBT-R&D	Jadhav,P.V., Dr. (M) Dr. Panjabrao Deshmukh Krishi Vidyapeeth Akola - 444 104 Maharashtra	85.34	48
3	Altering meiotic recombination rates with phytohormones: A study in Arabidopsis	DBT-R&D	Ramamurthy,B., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	89.13	36
4	Candidate gene association mapping for tolerance to iron toxicity & low phosphorous stress in rice	DBT-R&D	Ayam,G.D.G., Dr. (F) Scientist ICAR-Research Complex for NEH Region Shillong - 793 103 Meghalaya	68.28	36
5	Characterization of role of miR159 in male-meiosis & filament elongation in Brassica juncea & Arabidopsis thaliana: Strategies for crop improvement	DBT-R&D	Das,S., Dr. (M) Professor Delhi University Delhi - 110 007 Delhi	67.67	36
6	Collection & characterization of indigenous Shiitake (Lentinula edodes) & DNA barcoding of Oyster (Pleurotus spp.) mushroom germplasm for commercial exploitation	DBT-R&D	Sharma,V.P., Dr. (M) ICAR-Directorate of Mushroom Research Solan - 173 213 Himachal Pradesh	145.43	36
7	Collection, conservation, taxonomy, diversity, cytology, molecular characterization & nutritional analysis of momordica subangulata blume sunsp. Subangulata & other edible spieces of Momordica L. from northeast India	DBT-R&D	Harish,G.D., Dr. (M) Scientist ICAR-National Bureau of Plant Genetic Resources New Delhi - 110 012 Delhi	102.25	36
8	CRISPR mediated genome engineering for developing "Thermo-sensitive Genic male Sterile lines (TGMS) in rice (Oryza Sativa)	DBT-R&D	Sivasubramaniam,B., Dr. (F) Associate Professor Tamil Nadu Agricultural University Coimbatore - 641 003 Tamil Nadu	65.60	36
9	CRISPR/Cas9 mediated control of the Gemini virus involved in Papaya lead curl disease	DBT-R&D	Rajam,M.V., Dr. (M) Professor Delhi University New Delhi - 110 021 Delhi	126.56	36
10	CRISPR-Cas9 - mediated gene editing to generate Gemin virus resistant tomato	DBT-R&D	Chakraborty,S., Prof. (M) Jawaharlal Nehru University New Delhi - 110 067 Delhi	65.25	36
11	Detection of mushroom toxin using nanoparticle based sensor	DBT-R&D	Boro,R.C., Dr. (M) Assam Agricultural University Jorhat - 785 013 Assam	83.03	36
12	Development of a cell culture based genome engineered platform for the production of a high value anti-cancer metabolite, Podophyllo toxin in Podophyllum hexandrum	DBT-R&D	Chauhan,R.S., Prof. (M) Project Coordinator Bennett University Noida - 201 310 Uttar Pradesh	53.71	36
13	Development of high density linkage map & tagging salinity tolerance in lentil using genotyping by-sequencing approach for improving salt tolerance	DBT-R&D	Singh,V., Dr. (F) Scientist ICAR-Central Soil Salinity Research Institute Karnal - 132 001 Haryana	73.00	36
14	Development of multiple stress tolerant versions of rice varieties Gomati & Tripura Chikan dhan through molecular breeding	DBT-R&D	Das,S.P., Dr. (M) Principal Scientist ICAR-Research Complex for NEH Region Shillong - 793 103 Meghalaya	97.57	36

## BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
15	Development of novel ssDNA aptamer based bio-sensing platforms for biothreat fungal toxins using nano-biotechnology approaches	DBT-R&D	Vamkudoth,K.R., Dr. (M) Scientist CSIR-National Chemical Laboratory Pune - 411 008 Maharashtra	28.22	36
16	Development of Pi genes pyramided homozygous lines for blast disease resistance in rice varieties Intant & Jaya through marker assisted selection	DBT-R&D	Prashanthi,S.K., Dr. (F) Professor Agricultural Sciences University Dharwad - 580 005 Karnataka	32.75	24
17	Development of superior haplotype based near isogenic lines (Haplo-NILs) for enhanced genetic gain in rice	DBT-R&D	Singh,S.K., Dr. (M) Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	3002.62	36
18	Editing rice genes through CRISPR/Cas9 technology for enhanced & durable blast resistance in rice	DBT-R&D	Prakash,G., Dr. (M) Scientist ICAR-Indian Agricultural Research Institute Pusa Campus New Delhi - 110 012 Delhi	175.59	36
19	Effect of Vitamin D on chronic tension-type headache: A randomized, double-blind, placebo-controlled multi-centric trial	DBT-R&D	Desai,S.D., Dr. (M) Professor Charutar Arogya Mandal Anand - 388 325 Gujarat	27.68	20
20	Engineering of auxin metabolism pathway genes for improving ripening traits in tomato	DBT-R&D	Kumar,R., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	40.83	36
21	Exploration & conservation of high value Wild Edible Macrofungi (WEM) from higher altitudes of Arunachal Pradesh & biotechnological evaluation of their nutraceuticals/novel metabolites	DBT-R&D	Kumar,S., Dr. (M) Principal Scientist ICAR-Directorate of Mushroom Research Solan - 173 213 Himachal Pradesh	75.89	36
22	Genetic modification of lignin biosynthesis pathway in Poplars for low lignin content	DBT-R&D	Chaudhury,A., Prof. (M) Guru Jambheshwar University of Science & Technology Hisar - 125 001 Haryana	29.80	36
23	Greenhouse gas emission, mitigation & adaptation: Strategies for better inventory & management of such gases in rice ecosystems of two agro-climatic zones of Assam	DBT-R&D	Bhattacharyya,P., Dr. (M) Principal Scientist ICAR-National Rice Research Institute Cuttack - 753 006 Odisha	79.70	36
24	Identification of effector candidates from necrotrophic plant pathogen, Sclerotinia sclerotiorum & its target proteins in Indian Musrard (Brassica Juncea)	DBT-R&D	Gupta,N.C., Dr. (M) Senior Scientist ICAR-National Institute for Plant Biotechnology New Delhi - 110 012 Delhi	38.16	36
25	Introgression breeding of transfer of Aphid (Rhopalosiphum padi L.) resistance from Aegilops tauschii, the D genome donor of wheat	DBT-R&D	Singh,B., Dr. (M) Assistant Entomologist Punjab Agricultural University Ludhiana - 141 004 Punjab	63.58	36
26	Investigating the role of Type III secretion system in rhizobialeghume symbiosis	DBT-R&D	Mandal,S., Dr. (M) Assistant Professor Calcutta University Kolkata - 700 073 West Bengal	84.61	36
27	Investigation of molecular mechanisms behind seasonal adaptation of selected liverworts in their natural habitats using transcriptomic & proteomi approaches	DBT-R&D	Mishra,Y., Dr. (M) Assistant Professor Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	59.92	36

BROAD SUBJECT AREA : AGRICULTURAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
28	Investigation on the antiobesity activity of <i>Argyreia nervosa</i> , <i>Garcinia</i> species	DBT-R&D	Bettadaiah,B.K., Dr. (M) Senior Scientist CSIR-Central Food Technological Research Institute Mysore - 570 020 Karnataka	138.76	36
29	Mapping of nut traits to accelerate breeding in walnut ( <i>Juglans regia</i> L.)	DBT-R&D	Ito,H., Dr. (M) Assistant Professor Sher-E-Kashmir University of Agriculture Sciences & Technology (Srinagar) Srinagar - 190 025 Jammu & Kashmir	42.51	36
30	Mapping of phytophthora resistance in intergeneric rootstock population & development of improved rootstocks in citrus	DBT-R&D	Sidhu,G.S., Dr. (M) Assistant Horticulturist Punjab Agricultural University Ludhiana - 141 004 Punjab	89.19	36
31	Marker assisted pyramiding of three major genes (pi54,Pi1, Pita) for blast resistance into elite rice varieties, Bhalum 5 & Shahsarang	DBT-R&D	Kumar,A., Mr. (M) Scientist ICAR-Research Complex for NEH Region Shillong - 793 103 Meghalaya	61.13	36
32	Molecular cloning & characterization of Xa38 Loci conferring resistance to Bacterial Blight (BB) disease in rice & identification of novel & superior elders	DBT-R&D	Kumar,A., Dr. (M) Senior Scientist Punjab Agricultural University Ludhiana - 141 004 Punjab	87.14	36
33	Nutritional improvement of Indian oilseed mustard using CRISPR-Cas9 mediated genome editing	DBT-R&D	Kaur,J., Prof. (F) Delhi University New Delhi - 110 021 Delhi	106.90	36
34	Pilot scale demonstrations of strawberry cultivation with sustainable cultivation agrotechnological interventions in farmers fields of Meghalaya	DBT-R&D	Iangjuh,T., Mr. (M) Junior Scientist Bio Resources Development Centre Shillong - 793 001 Meghalaya	279.52	30
35	Plants invasion & their impacts on environment (forest biodiversity, soil attributes) of Mizoram & Assam, N.E. India	DBT-R&D	Rai,P.K., Dr. (M) Assistant Professor Mizoram University Aizawal - 796 004 Mizoram	53.71	36
36	Reducing the phytic acid content in the seeds of foxtail millet through CRISPR/Cas9 system mediated genome editing	DBT-R&D	Ceasar,S.A., Dr. (M) Senior Scientist Rajagiri College of Social Sciences Kochi - 683 104 Kerala	43.92	36
37	Screening of plant extracts from north east for identifying phytochemicals with potent antimalarial activity against asexual, sexual & liver stages of malaria parasite	DBT-R&D	Singh,C.B., Dr. (M) Institute of Bioresources & Sustainable Development Imphal - 795 001 Manipur	77.99	36
38	Site-directed mutagenesis of low-affinity nitrate transporter gene for improving nitrogen uptake efficiency in Aerobic rice	DBT-R&D	Pandey,R., Dr. (F) Principal Scientist ICAR-Indian Agricultural Research Institute New Delhi - 110 012 Delhi	166.56	60
39	Stable isotope studies to understand Vitamin D dose response on bone resorption rates & fractional calcium absorption in Vitamin D deficient & sufficient states	DBT-R&D	Raj,T.D.S., Dr. (M) Professor St. John's Medical College & Hospital Bengaluru - 560 034 Karnataka	77.98	36
40	Studies on clinical efficacy of identified herbal leads on wound healing & veterinary dermatological complication	DBT-R&D	Das,G., Dr. (M) Associate Professor Central Agricultural University Selesih Aizawal - 796 014 Mizoram	95.92	36
41	Towards rational definition of Vitamin D deficiency: The role of free 25 hydroxycholecalciferol	DBT-R&D	Bhatia,V., Prof. (F) Sanjay Gandhi P.G. Institute of Medical Sciences Lucknow - 226 014 Uttar Pradesh	57.76	24

BROAD SUBJECT AREA : AGRICULTURAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
42	Bael fruit pulp extractor	DSIR-PRISM	Sriniwas,M.S., Mr. (M) R.N. 223, P.G. Hostel CTAE College Udaipur - 313 001 Rajasthan	2.00	12
43	Development of biochar based formulation & preparation for cattle feed supplement	DSIR-PRISM	Das,B.K., Mr. (M) C/o- Sitaram Das, Village & P. O. Tilkhoja, P.S. Moyna, District Purba Midnapore - 721 629 West Bengal	2.00	6
44	Development of harvesting machine for Henna	DSIR-PRISM	Premraj,S.S., Ms. (F) R. No. 106, Ganga Girls Hostel, Mpuat Udaipur - 313 001 Rajasthan	2.70	16
45	Manually operated machine for cutting of wheat & paddy crops (manually operated harvester machine)	DSIR-PRISM	Shekhar,C., Mr. (M) 1/5, Peeli Colony, Juhi Kanpur - 208 014 Uttar Pradesh	1.25	10
46	Achieving sustainable livelihood in cold arid regions of Ladhakh through skill development in tuber production Kalazeera	DST-ASACODER	Khan,M.H., Dr. (M) Assistant Professor Sher-E-Kashmir University of Agriculture Sciences & Technology (Srinagar) Department of Genetics & Plant Breeding, Saffron Research Station Srinagar - 190 025 Jammu & Kashmir	102.38	36
47	Cost effective Ict-data analytics system for efficient management of water & fertilizer in precision agriculture	DST-IMPRINT-2	Ramadas,M., Dr. (F) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 024 Odisha	83.66	36
48	Multi-crop residue processing technology package for production of fuel & fertilizer	DST-IMPRINT-2	Baruah,D.C., Prof. (M) Tezpur University Napaam Tezpur - 784 028 Assam	140.79	36
49	Sanitation in the circular economy - An integrative-modular-onsite toilet treatment for recovery of Npk fertilizer, carbon & water	DST-IMPRINT-2	Nambi,I.M., Dr. (F) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	69.07	24
50	Ultra-clean emissions Dme fuelled tractor engine prototype development for agricultural applications	DST-IMPRINT-2	Agarwal,A.K., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	159.72	24
51	Empowerment of scheduled caste fisher folk through entrepreneurial capacity building of self help groups in marine sector	DST-SCSP	Vipinkumar,V.P., Dr. (M) Principal Scientist ICAR-Central Marine Fisheries Research Institute Division of Socio Economic Evaluation & Technology Transfer, P.B. No. 1603, Emakulam North Kochi - 682 018 Kerala	26.49	36
52	Enhancement of livelihood for scheduled caste households through an ICT enabled integrated rural nutrition centre in Madukkarai block of Coimbatore district, Tamil Nadu	DST-SCSP	Rani,J.P.R., Dr. (F) Assistant Professor Amrita School of Engineering Center for Food Nutrition & Health Education, Ettimadai Campus Coimbatore - 641 112 Tamil Nadu	41.41	36
53	Promotion of pulses for nutritional food security of SC Community of Almora district of Uttarakhand	DST-SCSP	Joshi,P.C., Mr. (M) Himalayan Organization for Protecting Environment Pilkholi, Ranikhet Almora - 263 671 Uttarakhand	38.48	36
54	Socio-economic upliftment of schedule cast community through cultivation of Spirulina biomass & commercial exploitation	DST-SCSP	Vanitha,K., Dr. (F) Vishnu Institute of Pharmaceutical Education & Research Narsapur - 502 313 Telangana	77.86	36

BROAD SUBJECT AREA : AGRICULTURAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
55	Solar power based smart village with focus on clean drinking water & agriculture operations	DST-SCSP	Rao,P.V.V.R., Dr. (F) Sri Vasavi Engineering College Tadepalligudem Godavari - 534 101 Andhra Pradesh	76.34	36
56	Extraction of bioactive lignan & development of value added products from flaxseed	DST-SERB-IRRD	Zanwar,A.A., Mr. (M) Bharati Vidyapeeth University Pune - 411 043 Maharashtra	23.45	36
57	Characterization of the germplasm & development of quality planting material in walnut	DST-SSTP	Dhar,M.K., Dr. (M) Professor Jammu University School of Biotechnology, B.R. Ambedkar Road Jammu - 180 006 Jammu & Kashmir	57.85	36
58	Disease burden quantification in small ruminants & impact of adopting preventive intrventions on rural livestock farmers in Odisha	DST-SSTP	Govindaraj,G., Dr. (M) Senior Scientist ICAR-National Institute of Veterinary Epidemiology & Disease Information Department of Agricultural Economics, Post Box No. 6450, Ramagondanahall Village, Yelahanka Bengaluru - 560 064 Karnataka	48.59	36
59	Dissemination of poultry & goat meat processing technology & establishment of meat processing demonstration unit for livelihood upliftment of farmers & butcher	DST-SSTP	Waghamare,R.N., Dr. (M) Assistant Professor College of Veterinary & Animal Sciences V.N. Marathwada Agriculture University Campus Parbhani - 431 402 Maharashtra	70.99	36
60	Evaluation of heterotrophic food chain in different agro climatic regions & stratgies for enhancement of fish production	DST-SSTP	Manjappa,N., Dr. (M) Assistant Professor Karnataka Veterinary Animal & Fisheries Sciences University Department of Fisheries Research & Information Centre, Hesaraghatta Bengaluru - 560 089 Karnataka	53.27	36
61	Introductin of SPRERI-TECH fluidized bed gasification system in Poha Marking Industries for improved efficiency & working environment	DST-SSTP	Kumar,S., Dr. (M) Principal Scientist Sardar Patel Renewable Energy Research Institute Division of Thermo Chemical Conversion, Post Box No. 2 Vallabh Vidyanagar - 388 120 Gujarat	66.64	24
62	Quality planting material production for sustaining future fruit production in Kargil (Ladakh)	DST-SSTP	Dolkar,D., Dr. (M) Sher-E-Kashmir University of Agriculture Sciences & Technology (Kargil) Department of Fruit Science, Krishi Vigyan Kendra, Khurbathang Kargil - 194 103 Jammu & Kashmir	38.77	36
63	Valuable products from organes - addressing a problem of Nagpur division of Vidarbha, the largest orange producer	DST-SSTP	Madavgane,S., Dr. (M) Associate Professor Visvesvaraya National Institute of Technology (Nagpur) Department of Chemical Engineering, South Ambazari Road Nagpur - 440 010 Maharashtra	60.50	36
64	Adoption of artificial intelligence for the management of potato diseases in Punjab	DST-SYST	Verma,A., Mr. (M) Assistant Professor Chandigarh University Gharuan Mohali - 140 413 Punjab	32.03	36
65	Artificial intelligence & IoT based UAV system for crop health monitoring & forecasting	DST-SYST	Tripathi,S., Dr. (M) Professor International Institute of Information Technology Dr. Shyama Prasad Mukherjee, Naya Raipur, Plot No. 7, Sector 24, Atal Nagar Raipur - 493 661 Chhattisgarh	23.70	36
66	Automation of farming tools for smart farming using android application (A Gaming approach)	DST-SYST	Waseem,M.S., Mr. (M) Assistant Professor Kakatiya Institute of Technology & Science (KITS) Department of Computer Science Engineering, Hasanparthy Warangal - 506 015 Telangana	40.43	36

BROAD SUBJECT AREA : AGRICULTURAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
67	Design & development of coconut harvesting robot	DST-SYST	Mandava,R.K., Dr. (M) Assistant Professor Vignan's Foundation for Science, Technology & Research Vadlamudi Guntur - 522 213 Andhra Pradesh	23.17	36
68	Design & development of induction based air assisted electrostatic sprayer	DST-SYST	Jyoti,B., Dr. (M) Scientist ICAR-Central Institute of Agricultural Engineering Nabibagh, Berasia Road Bhopal - 462 038 Madhya Pradesh	36.18	36
69	Design & development of sensor based early pest detection technology	DST-SYST	Ekka,E.U., Mr. (M) Scientist ICAR-Indian Agricultural Research Institute Division of Agricultural Engineering, Pusa Campus New Delhi - 110 012 Delhi	34.09	36
70	Development & field validation of a low cost rainbow trout hatchery technology for livelihood enhancement of Ladakhi population	DST-SYST	Mir,M.I.M., Dr. (M) Sher-E-Kashmir University of Agriculture Sciences & Technology (Srinagar) Faculty of Fisheries, Rangil, Nagbal, Wachi Shopian Srinagar - 190 006 Jammu & Kashmir	41.28	36
71	IoT based soil parameter tester for comparison of fertilizer free natural farming & chemical fertilizer based farming	DST-SYST	Patil,G.C., Dr. (M) Assistant Professor Visvesvaraya National Institute of Technology (Nagpur) Centre for VLSI & Nano Technology Nagpur - 440 010 Maharashtra	23.64	36
72	Smart sensor network platform for irrigation scheduling in saffron & rice in Kashmir, India	DST-SYST	Dar,E.A., Dr. (M) Scientist Sher-E-Kashmir University of Agriculture Sciences & Technology (Srinagar) Department of Agronomy, Village Lassipora Post Waterhail, Shalimar Srinagar - 191 111 Jammu & Kashmir	43.50	36
73	A novel, low cost automated agrobot for plant disease analysis & control	DST-TDP-AGRO	Baskar,S., Prof. (M) Assistant Professor Karpagam University Department of Electronic & Communication Engineering Salem - 641 021 Tamil Nadu	87.98	24
74	Development of a disease management strategy against phytophthora capsici utilizing an effective biocontrol agent & green synthesized silver nanoparticles from black pepper	DST-TDP-AGRO	Soniya,E.V., Dr. (F) Scientist G Rajiv Gandhi Centre for Biotechnology P.O. Thycaud, Poojappura Thiruvananthapuram - 695 015 Kerala	104.23	36
75	Development of eco-friendly-advanced production technologies for extraction of high concentration of bio-active Phycocolloids from indigenous sea weed at Ramanathapuram district Tamil Nadu	DST-TDP-AGRO	Kumar,S.S., Dr. (M) Professor Rajalakshmi Engineering College Center for Sponsored Research & Consultancy Chennai - 602 105 Tamil Nadu	129.53	24
76	Development of IoT based custom hiring monitoring meter of agricultural machines	DST-TDP-AGRO	Kumar,R., Dr. (M) Scientist ICAR-Indian Agricultural Research Institute Division of Agricultural Research Institute, Pusa Campus New Delhi - 110 012 Delhi	42.06	24
77	Development of low-cost, energy - efficient, solid state pulsed electric field system for non-thermal pasteurization applications of food processing industries	DST-TDP-AGRO	Chandrasekar,S., Dr. (M) Sona College of Technology Department of Electrical & Electronics Engineering, TPT Road, Sona Nagar Salem - 636 005 Tamil Nadu	61.54	24

## BROAD SUBJECT AREA : AGRICULTURAL SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
78	Development of novel highly hydrophilic nanoclay composite with added microbial inputs for sustainable arid soil agricultural practices & management	DST-TDP-AGRO	Rao,G.R., Prof. (M) Indian Institute of Technology (Madras) Department of Chemistry Chennai - 600 036 Tamil Nadu	35.01	24
79	Development of sensor based precision seeding retrofit module for cultivators	DST-TDP-AGRO	Kushwaha,H.L., Dr. (M) ICAR-Indian Agricultural Research Institute Division of Agriculture Research Institute, Pusa New Delhi - 110 012 Delhi	28.45	24
80	Development of smart mobile E-power unit with matching implements for small farmers	DST-TDP-AGRO	Singh,S.P., Dr. (M) Principal Scientist ICAR-Indian Agricultural Research Institute Division of Agricultural Engineering, Pusa Campus New Delhi - 110 012 Delhi	30.47	24
81	Development of smart nano-kit for rapid, automated & ultra-sensitive detection of pesticide traces in agricultural samples	DST-TDP-AGRO	Sharma,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	129.53	24
82	Development of smart nano-kit for rapid, automated & ultra-sensitive detection of pesticide traces in agricultural samples	DST-TDP-AGRO	Sharma,R.K., Dr. (M) Assistant Professor Panjab University Department of Chemistry, Sector 14 Chandigarh - 160 014 Chandigarh	44.54	24
83	Development of standardized restricted depth highway girders over railway track	DST-TDP-AGRO	Girija,K., Dr. (F) Associate Professor College of Engineering Thiruvananthapuram - 695 016 Kerala	30.77	24
84	Fully integrated smartphone & IoT enabled microfluidic sensor for real-time quantification of soil macronutrients conductivity & pH	DST-TDP-AGRO	Dubey,S.K., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Department Mechanical Engineering Hyderabad - 500 078 Telangana	18.71	12
85	IoT based smart cattle farm with hydroponic feeder system	DST-TDP-AGRO	Fred,A.L., Prof. (M) Mar Ephraem College of Engineering & Technology Department of Computer Science & Engineering, Malankara Hills, Elavuvilai Marthandam - 629 171 Tamil Nadu	72.34	24
86	Laser based hydraulic controlled variable length land leveler cum plough device with remote monitoring system	DST-TDP-AGRO	Parthasarathy, Dr. (M) Professor K.L.N. College of Engineering Department of Electrical & Electronics Engineering, Sivaganga Madurai - 630 612 Tamil Nadu	85.36	24
87	Solar energy operated unmanned liquid chemical application for cereal crops	DST-TDP-AGRO	Raheman,H., Prof. (M) Indian Institute of Technology (Kharagpur) Department of Agricultural & Food Engineering Kharagpur - 721 302 West Bengal	37.21	24
88	Design & development of compact utility tractor - for socio-economic uplift of marginal & small farmers	DST-TIASN	Mandal,S.K., Mr. (M) Principal Scientist CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	30.36	36
89	Development of intervention for microclimate moderation for tractor operator comfort	DST-TIASN	Khura,T.K., Dr. (M) ICAR-Indian Agricultural Research Institute Division of Agricultural Engineering, Pusa New Delhi - 110 012 Delhi	29.83	36
90	Evaluation & development of supplementary food for lactation	DST-TIASN	Singh,K., Dr. (F) Amity University Amity Institute of Food Technology, Sector-125 Noida - 201 301 Uttar Pradesh	31.26	36

BROAD SUBJECT AREA : AGRICULTURAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
91	Integrated technological farming system in hilly areas for sustainable development in Arunachal Pradesh	DST-TIASN	Tajo,L., Mr. (M) State Remote Sensing Application Centre Department of Science & Technology Itanagar - 791 113 Arunachal Pradesh	127.05	36
92	Livelihood generation through technology intervention for sustainable harnessing of neem fruit & hemp	DST-TIASN	Kumar,V., Dr. (M) Indian Institute of Technology (Delhi) Hauz khas New Delhi - 110 016 Delhi	76.27	36
93	Addressing livestock rearing issues of tribal farmers of Khed block of Pune district in Maharashtra for increasing milk production	DST-TITE	Gawandi,V., Ms. (F) Medicinal Plants Conservation Centre & Trust 70, 2nd Floor, LIC Building, Anandilal Poddar Marg Mumbai - 400 002 Maharashtra	26.79	36
94	Developing fruit farm in abandoned agricultural land in Uttarakhand for ecological & economic sustainability	DST-TITE	Purohit,H., Dr. (F) Scientist Himalayan Environmental Studies & Conservation Organisation Village Shuklapur, P.O. Ambiwala, via Prem Nagar Dehradun - 248 007 Uttarakhand	48.52	36
95	Developing Pisciculture (Fish rearing) in terrace farming system for the economic upliftment of the tribal population of Nagaland	DST-TITE	Hiese,V., Mr. (M) Associate Professor Kohima Science College Jotsoma - 797 002 Nagaland	43.72	36
96	Empowerment of tribal community for sustainable livelihood generation through organic cultivation & production of essential oils from Tulsi	DST-TITE	Kar,B., Dr. (M) Assistant Professor Siksha O Anusandhan University Centre for Biotechnology, School of Pharmaceutical Sciences, Kalinganagar, Ghatikia Bhubaneswar - 751 003 Odisha	53.17	36
97	Enhancement of livelihood through extant millet crops & ensure good price by value addition through technology intervention	DST-TITE	Rao,K.S., Mr. (M) Girijana Vikas Swatchanda Seva Samstha Door No. 27-6-52, Chintapally Road, Narsipatnam Visakhapatnam - 531 116 Andhra Pradesh	49.67	36
98	Enhancing beekeeping as a sustainable rural livelihood in the Ukhrul district of Manipur	DST-TITE	Varah,F., Dr. (M) Hill Area Development Society Ukhrul Imphal - 795 142 Manipur	42.89	36
99	Improvement of socio economic conditions of schedule tribe dominated region through scientific bee keeping in Mayurbhanj district Kaptipada & Udala block of Odisha	DST-TITE	Singh,P.P., Prof. (M) Socio Cultural Development Centre Pandia, P.O. Biridi Road Jagatsinghpur - 754 111 Odisha	34.46	36
100	Innovative technological interventions to address basic needs of the tribal farming people of Ladakh region	DST-TITE	Gupta,V., Dr. (M) Krishi Vigyan Kendra Department of Plant Protection, Stakna Leh - 194 101 Jammu & Kashmir	48.52	36
101	Mass propagation & cultivation of high yielding sea buckthorn cultivars for livelihood improvement in tribal areas of Himachal Pradesh	DST-TITE	Singh,V., Prof. (M) Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya Department of Biology & Environmental Sciences Palampur - 176 062 Himachal Pradesh	36.74	36
102	Participatory fishery resource mapping & fish calendar to enhance the livelihood security of Irula tribal fishers of Vellar-Pichavaram-Coleroon backwater ecosystem	DST-TITE	Gopalakrishnan,A., Dr. (M) Annamalai University C.A.S. in Marine Biology, Portonovo Parangipettai - 608 502 Tamil Nadu	43.57	36



BROAD SUBJECT AREA : AGRICULTURAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
103	Promotion of sericulture in tribal farmers as livelihood initiatives	DST-TITE	Venkatesh,M.N., Mr. (M) Creative-Social, Educational & Economical Development Society 5-110/1, Saraswati Nagar, M.R. Palle Chittoor - 517 517 Andhra Pradesh	39.33	36
104	Techno interventions for tribal improvement through mycoplasmosis vaccination in sheep & goat	DST-TITE	Yattoo,M.I., Dr. (M) Sher-E-Kashmir University of Agriculture Sciences & Technology (Jammu) Faculty of Veterinary Sciences & Animal Husbandry, Shalimar Campus Srinagar - 190 025 Jammu & Kashmir	40.78	36
105	Upliftment of tribal population of Golaghat district of Assam through bio-input based organic ginger production	DST-TITE	Bora,L.C., Dr. (M) Professor & Coordinator Assam Agricultural University Department of Plant Pathology Jorhat - 785 013 Assam	46.35	36
106	Bacterial mediated drought tolerance: Understanding the physiological, biochemical & molecular mechanism in cyamopsis (cluster bean)	DST-WOS-A	Jain,R., Ms. (F) Gujarat University Ahmedabad - 380 009 Gujarat	21.18	36
107	Bioremediation of heavy metals utilizing myco-synthesized nanoparticles for sustainable agriculture	DST-WOS-A	Amin,I., Ms. (F) Kashmir University Srinagar - 190 006 Jammu & Kashmir	24.25	36
108	CRISPR/Cas9 mediated targeted mutagenesis of GmMYB39 to improve isoflavones' content in soybean seeds	DST-WOS-A	Vidya,N., Ms. (F) Bharathiar University Coimbatore - 641 046 Tamil Nadu	22.32	36
109	Development of recombinant system for the production of malto-oligosaccharides & their application in the food industry	DST-WOS-A	Shinde,V., Ms. (F) CSIR-National Chemical Laboratory Dr. Homi Bhabha Road Pune - 411 008 Maharashtra	24.62	36
110	Exploitation of mycoparasite mediated resistance in the management of rust disease in Groundnut	DST-WOS-A	Durgadevi,D., Dr. (F) Tamil Nadu Agricultural University Coimbatore - 641 003 Tamil Nadu	29.04	36
111	Genetic dissection of productivity traits & disease resistance in a wild emmer wheat T. dicoccoides-T. Durum nested association mapping population	DST-WOS-A	Singh,S.R., Dr. (F) Punjab Agricultural University Ludhiana - 141 004 Punjab	35.22	36
112	Genetical & functional analysis for phosphorous & zinc efficiency of mycobiome associated with rhizosphere of oil palm in India	DST-WOS-A	Veeramachaneni,S., Dr. (F) ICAR-Indian Institute of Oil Palm Research Pedavegi - 534 450 Andhra Pradesh	25.90	36
113	Identification of gene(s) governing resistance to Alternaria blight with functional validation & their physical position through in situ hybridization in Brassica juncea	DST-WOS-A	Kumari,P., Dr. (F) ICAR-Indian Agricultural Research Institute Pusa Campus New Delhi - 110 012 Delhi	32.15	36
114	Identification of parasites of family diplostomatidae (Trematoda: Platyhelminthes) from some economically important freshwater food fishes using morphological & molecular approaches	DST-WOS-A	Chaudhary,A., Dr. (F) Ch. Charan Singh University Meerut - 250 004 Uttar Pradesh	29.84	36
115	Impact of Plant Growth Promoting Rhizobacteria (PGPR) & their nano-formulations on the growth-promoting & bio control traits in chickpea, Cicer arietinum L	DST-WOS-A	Sambangi,P., Dr. (F) International Crops Research Institute for the Semi-Arid Tropics Patancheru Hyderabad - 502 324 Telangana	29.64	36

BROAD SUBJECT AREA : AGRICULTURAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
116	Industrial development & its impact on soil & ground water quality in peripheral industrial areas in East Kachchh, Gujarat	DST-WOS-A	Nathani,M.D., Dr. (F) Krantiguru Shyamji Krishna Verma Kachchh University Bhuj - 370 001 Gujarat	30.13	36
117	Seed priming with Allium Sativum Leaf Agglutinin(ASAL) for increasing Bacillus subtilis rhizospheric colonization & enhancing resistance against Rhizoctonia solani, the sheath blight pathogen of rice	DST-WOS-A	Jain,A., Dr. (F) Bose Institute Centenary Building, CIT Scheme, VIIM Kolkata - 700 054 West Bengal	32.10	36
118	Understanding the basis of effect of carbon nanoparticle for abiotic stress tolerance in rice	DST-WOS-A	Panigrahy,M., Dr. (F) Siksha O Anusandhan University Bhubaneswar - 751 030 Odisha	35.72	36
119	Achieving healthy growth, nutrition & sustainable livelihoods for 100 women farmers through adaption to women friendly climate smart technology in 4 villages of Kako block, Jehanabad, Bihar	DST-WS	Singh,J., Dr. (M) Khadagdhari Gramin Vikas Sansthan Jehanabad - 804 418 Bihar	30.30	36
120	Development of entrepreneurship among rural women on scientific practices of duck breeding, hatching & rearing - As a strategy for livelihood promotion	DST-WS	Subhadra,S., Dr. (F) Utkalika Samiti Atbilipada P.O. Bhotaka, Via Rasulpur Jajpur - 755 051 Odisha	36.72	36
121	Enhancing the livelihood of women SHGs through livestock based agro technologies in A.P.	DST-WS	Latha,P.A., Dr. (F) N.T.R. College of Veterinary Science Gannavaram - 521 101 Andhra Pradesh	31.93	36
122	Food based mitigation of malnutrition in women by improving efficacy of coarse cereals & millets	DST-WS	Budhwar,S., Dr. (F) Central University of Haryana Mahendragarh - 123 031 Haryana	22.03	36
123	Microbila technology dissemination for scaling-up of vegetable cultivation through women participation	DST-WS	Sharma,B.K., Prof. (M) Banaras Hindu University Department of Mycology & Plant Pathology, Institute of Agricultural Sciences Varanasi - 221 005 Uttar Pradesh	29.48	36
124	Cultivation & value addition of aromatic plants for livelihood security of farmers of Uttarakhand region	ICAR-HORTSC	Tomar,J.M.S., Dr. (M) Principal Scientist ICAR-Indian Institute of Soil & Water Conservation Department of Agroforestry Dehradun - 248 195 Uttarakhand	20.00	24
125	Development of post-harvest handling & sensor based smart packaging methods for the export of traditional banana varieties & nano-strip based digital health monitoring of banana'	ICAR-HORTSC	Kumar,P.S., Dr. (M) Senior Scientist ICAR-National Research Centre for Banana Department of Horticulture Tiruchirappalli - 620 102 Tamil Nadu	74.53	24
126	Relation between pathogenic bio-aerosal & biotic stresses of crop - A case study for yellow rust fungus of wheat	ISRO-RESPOND	Gunthe,S.S., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	45.00	24
127	Development & deployment of Knowledge based Integrated Sustainable Agriculture & Food Network (KISAN) cloud using Electronic Soil Nutrient Analyzer (ESNA) & capacity building of ST masses on Smart Agri & Livelihood Entrepreneurship for self-employment..	MEITY-R&D	Singh,V.K., Dr. (M) Indira Gandhi National Tribal University Lal Pur Amarkantak - 484 886 Madhya Pradesh	395.10	24

BROAD SUBJECT AREA : AGRICULTURAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
128	Development of autonomous multipurpose agricultural robotic platform by CDAC-Kolkata, IIT KGP, KCT-Coimbatore, Bau, Ranchi	MEITY-R&D	Rey,H., Mrs. (F) Centre for Development of Advanced Computing (C-DAC) Plot - E-2/1, Block-GP, Sector-V, Salt Lake Kolkata - 700 091 West Bengal	379.81	30
129	Development of IoT & drone based agriculture monitoring system with objective of skill development of Socially deprive Community (SC) by MMMUT, Gorakhpur & REC-Bijnor, Banda & Ambedkar Nagar	MEITY-R&D	Soni,S.K., Prof. (M) Madan Mohan Malaviya University of Technology Kunraghat Gorakhpur - 273 001 Uttar Pradesh	289.50	24
Total Cost of 129 Projects Under: <b>Agricultural Sciences</b>				11,333.36	

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
130	Membrane based pilot scale preparation of sorghum syrup & its evaluation for antidiabetic, anticancerous & antiaging effects	AICTE-RP	Addepally,U., Dr. (F) JNTUH Institute of Science & Technology Kukatpally Hyderabad - 500 085 Telangana	10.00	36
131	Development of synbiotics targeted for immune health in elderly	CSIR-ES	Antony,U., Dr. (F) Anna University Department of Biotechnology (Food Technology) Chennai - 600 025 Tamil Nadu	10.20	36
132	Development of TOMV resistance in tomato (Solanum lycopersicum L.) using CRISPR/CAS9 technology	CSIR-ES	Abbagani,S., Dr. (M) Kakatiya University Department of Biotechnology Warangal - 506 009 Telangana	10.20	36
133	Enhancing productivity & quality of Vetiver (Chrysopogon zizanioides) & Geranium (Pelargonium graveolens) oil through scientific interventions enabling India to achieve global leadership utilizing underutilized lands	CSIR-ES	Kalra,A., Dr. (M) CSIR-Central Institute of Medicinal & Aromatic Plants Division of Crop Protection Lucknow - 226 015 Uttar Pradesh	10.20	36
134	Germplasm banking through cryopreservation of sperm & germ cells of marine fish Cobia rachycentron Canadum (Linnaeus, 1766)	CSIR-ES	Natesan,M., Dr. (M) Madras University Department of Zoology Chennai - 600 025 Tamil Nadu	10.20	36
135	Growth enhancement strategies for the microalgae of economic importance	CSIR-ES	Sandhya,S.C.P., Dr. (F) CSIR-Central Salt & Marine Chemicals Research Institute Division of Biotechnology & Phycology Bhavnagar - 364 021 Gujarat	10.20	36
136	Immunological & molecular methods for the diagnosis of Genitourinary Tuberculosis	CSIR-ES	Mehta,P., Dr. (M) Maharshi Dayanand University Centre for Biotechnology Rohtak - 124 001 Haryana	10.20	36
137	Regulation of cell fate: Role of Rapgef1 in differentiation & functional characterization of mutants that cause human developmental disorders	CSIR-ES	Vegesna,R., Dr. (F) CSIR-Centre for Cellular & Molecular Biology Department of Genetics & Evolution, Genomics Hyderabad - 500 007 Telangana	10.20	36
138	Rejuvenation of muscle stem cells in mouse models of muscular dystrophy	CSIR-ES	Dhawan,J., Dr. (F) CSIR-Centre for Cellular & Molecular Biology Muscle Stem Cell Lab Hyderabad - 500 007 Telangana	10.20	36
139	Studies on plasmodium Vivax genetic diversity and SNPS in its drug resistance genes	CSIR-ES	Surolia,N., Dr. (F) Jawaharlal Nehru Centre for Advanced Scientific Research Department of Molecular Biology & Genetics Bengaluru - 560 064 Karnataka	10.20	36
140	Understanding the role of the Mycobacterium Tuberculosis two component system SENX3/REGX3 in the adaptation of the bacterium to stress	CSIR-ES	Kundu,M., Dr. (F) Bose Institute Department of Chemistry Kolkata - 700 009 West Bengal	10.20	36
141	Analyzing the crosstalk between autophagy, cytoskeletal & mitochondrial dynamicity regulating Epithelial to Mesenchymal Transition (EMT) in human glioblastoma cells	CSIR-GS	Mukherjee,S., Dr. (F) Birla Institute of Technology & Science (Pilani) Department of Biological Science Pilani - 330 031 Rajasthan	18.40	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
142	Association between candidate genes & traits governing phosphorus use efficiency in wheat	CSIR-GS	Pandey,R., Dr. (F) ICAR-Indian Agricultural Research Institute Division of Plant Physiology New Delhi - 110 012 Delhi	15.00	36
143	Bifunctional gene-expression modulating chemotherapeutic agents as improved treatment strategy for cancer	CSIR-GS	Ghosh,B., Dr. (M) Birla Institute of Technology & Science (Pilani) Department of Pharmacy Hyderabad - 560 078 Telangana	14.30	36
144	Bioprospecting of antiviral phytochemical of Mirabilis Jalapa for suppression of tomato leaf curl and groundnut bud necrosis viruses in tomato	CSIR-GS	Renukadevi,P., Dr. (F) Tamil Nadu Agricultural University Department of Plant Pathology Coimbatore - 641 003 Tamil Nadu	8.00	36
145	Biorefining of Kinnow mandarin waste for the extraction of bioactive compounds for the development of novel functional foods using green technologies	CSIR-GS	Panesar,P.S., Prof. (M) Sant Longowal Institute of Engineering & Technology Department of Food Engineering & Technology Longowal - 148 106 Punjab	11.35	36
146	Characterization of the role of the two component signaling systems, PRRA-PRRB & MPRA-MPRB & their cross-talk in Mycobacterium Tuberculosis	CSIR-GS	Saini,D.K., Prof. (M) Indian Institute of Science Department of Molecular Reproduct Bengaluru - 560 012 Karnataka	21.00	36
147	Comparative study of Donepezil, Rivastigmine & Galantamine on the cognitive impairments exhibited by the transgenic drosophila melanogaster model of Alzheimer's disease	CSIR-GS	Siddique,Y.H., Dr. (M) Aligarh Muslim University Department of Zoology Aligarh - 202 002 Uttar Pradesh	14.00	36
148	Construction of a minigene to analyze the alternative splicing regulation of UPF3B variable exon	CSIR-GS	Singh,K.K., Dr. (F) Indian Institute of Technology (Guwahati) Department of Bioscience & Bioengineering Guwahati - 781 039 Assam	20.00	36
149	Creation of a genetic resource of auxin mutants in tomato using CRISPER/CAS9 toolkit & characterization of the knockout lines for fruit ripening & phosphate starvation response	CSIR-GS	Kumar,R., Dr. (M) Hyderabad University Department of Plant Sciences Hyderabad - 500 046 Telangana	20.00	36
150	Deciphering the cross-talk between rhizosphere microbiome & the plant: Insights from tea rhizosphere microbiome, metabolome & culture dependent analysis	CSIR-GS	Ghosh,A., Dr. (M) Bose Institute Department of Biochemistry Kolkata - 700 054 West Bengal	20.00	36
151	Deciphering the involvement of programmed cell death in the pathogenic development of Ustilago maydis	CSIR-GS	Ghosh,A., Dr. (F) Bose Institute Division of Plant Biology Kolkata - 700 054 West Bengal	15.00	36
152	Decoding the N-Acetyl glucosamine signaling pathway in microbial pathogens for disease control	CSIR-GS	Datta,A., Prof. (M) National Institute of Plant Genome Research Department of Biotechnology New Delhi - 110 067 Delhi	18.00	36
153	Development of a plant based platform for the production of Human Interleuk in 33 (HIL33) in moss, physcomitrella patens	CSIR-GS	Panigrahi,K.C.S., Dr. (M) National Institute of Science Education & Research Bhubaneswar - 751 005 Odisha	16.50	36
154	Development of low lignin mutants of sugarcane through mutagenesis & genome editing approach	CSIR-GS	Malhotra,P.K., Dr. (M) Punjab Agricultural University School of Agriculture Biotech Ludhiana - 141 004 Punjab	23.00	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
155	Discovery of ligand-induced trafficking & signaling bias at the human compliment receptor C5AR1, A G protein-coupled receptor involved in sepsis & inflammation	CSIR-GS	Shukla,A.K., Dr. (M) Indian Institute of Technology (Kanpur) Department of Biological Science & Bioengineering Kanpur - 208 016 Uttar Pradesh	23.00	36
156	Dissection of proteome dynamics of high temperature stress in wheat (Triticum aestivum L.) & identification of potential candidates for genetic engineering	CSIR-GS	Chakraborty,N., Dr. (M) National Institute of Plant Genome Research New Delhi - 110 067 Delhi	18.00	36
157	Functional & molecular characterization of phosphate solubilizing fungi from paddy field of Mizoram for development of location specific biofertilizer	CSIR-GS	Lalfakzuala,R., Dr. (M) Mizoram University Department of Botany Aizawal - 796 004 Mizoram	13.50	36
158	Functional characterization of ATPUB2 (plant U-box/Armadillo) under oxidative stress conditions in Arabidopsis Thaliana	CSIR-GS	Pandey,G.K., Prof. (M) Delhi University Department of Plant Molecular Biology New Delhi - 110 021 Delhi	23.00	36
159	Functional implications of endogenous gut melatonin on the rate of ovarian growth and development in Carp catla Catla	CSIR-GS	Mukherjee,S., Dr. (M) North Bengal University Department of Zoology Darjeeling - 734 013 West Bengal	17.90	36
160	Identification & characterization of salt-induced cyclophilins from a stress tolerant Pencillium strain & their implications in stress tolerance	CSIR-GS	Singh,P., Prof. (M) Guru Nanak Dev University Department of Biotechnology Amritsar - 143 005 Punjab	18.00	36
161	Identification & characterization of the interactome of the novel EAF (EII Associated Factor) homologs of Arabidopsis Thaliana	CSIR-GS	Sharma,N., Dr. (F) Guru Govind Singh Indraprastha University University School of Biotechnology New Delhi - 110 078 Delhi	17.00	36
162	Identification & investigation of the role accessory factors in nuclear envelope architecture & function	CSIR-GS	Mishra,K., Dr. (F) Hyderabad University Department of Biochemistry Hyderabad - 500 046 Telangana	20.00	36
163	Injury-induced expression of Adamts4 as a novel cardiac stress biomarkers in promoting pathological extracellular matrix remodeling	CSIR-GS	Chakraborty,S., Dr. (M) Presidency University Department of Life Science Kolkata - 700 073 West Bengal	16.64	36
164	Insight into salt stress tolerance mechanism of poor men's pulse Horsegram (Macrotyloma uniforum (Lam.) Verdic) using biochemical & molecular approaches	CSIR-GS	Kumar,R., Dr. (M) D.A.V. University Department of Agriculture Jalandhar - 144 012 Punjab	17.00	36
165	Mechanistic understanding of protein arginine methyltransferase 5: By targeting the novel epigenetic therapeutic molecule	CSIR-GS	Kanade,S.R., Dr. (M) Hyderabad University Department of Plant Sciences Hyderabad - 500 046 Telangana	16.00	36
166	Modulation of regulatory role of osmolyte in high temperature stress tolerance in wheat by ethylene & nitric oxide	CSIR-GS	Khan,N.A., Prof. (M) Aligarh Muslim University Department of Botany Aligarh - 202 002 Uttar Pradesh	9.00	36
167	Modulation of RiG-1 mediated innate immune responses by Chikungunya coat protein	CSIR-GS	Kumar,C.T.R., Dr. (M) Guru Govind Singh Indraprastha University School of Biotechnology New Delhi - 110 078 Delhi	21.00	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
168	Molecular cloning & characterization of Tanc12 protein(s) from bread wheat ( <i>Triticum aestivum</i> L.)	CSIR-GS	Upadhyay,S.K., Dr. (M) Panjab University Department of Botany Chandigarh - 160 014 Chandigarh	23.00	36
169	Molecular mapping of heat tolerance in Lentil ( <i>Lens culinaris</i> Medikus) using genotyping-by-sequencing approach	CSIR-GS	Singh,D., Dr. (M) ICAR-Indian Agricultural Research Institute Division of Genetics New Delhi - 110 012 Delhi	11.00	24
170	Post-transcriptional regulation of flower development in <i>Crocus sativus</i> L.	CSIR-GS	Qadri,R.A., Prof. (M) Kashmir University Department of Biotechnology Srinagar - 190 006 Jammu & Kashmir	20.00	36
171	Proteomic profiling of the salinity induced responses in the cyanobionts of different species of <i>Azolla</i>	CSIR-GS	Abraham,G., Dr. (M) ICAR-Indian Agricultural Research Institute Division of Microbiology New Delhi - 110 012 Delhi	8.00	36
172	Role of CAERG5 & CAERG4 in <i>Candida albicans</i> & effect of ergosterol loss on GPI anchor biosynthesis transport & localization	CSIR-GS	Komath,S.S., Ms. (F) Professor Jawaharlal Nehru University School of Life Science New Delhi - 110 067 Delhi	16.50	36
173	Role of FTSZ-associated proteins in the formation & functioning of Z-ring in mycobacterium smegmatis	CSIR-GS	Panda,D., Prof. (M) Indian Institute of Technology (Bombay) Department of Bioscience & Bioengineering, Powai Mumbai - 400 076 Maharashtra	20.00	36
174	Rotation to shape: Role of wingless & singed	CSIR-GS	Majumder,P., Dr. (M) Presidency University Department of Life Science Kolkata - 700 073 West Bengal	10.75	36
175	Small RNA sequencing & characterization at defined floral tissue stages of <i>Bambusa tulda</i> : A rarely flowering bamboo of commercial importance	CSIR-GS	Das,M., Dr. (M) Presidency University Department of Botany Kolkata - 700 073 West Bengal	13.84	36
176	Structural & functional characterization of reverse transsulfuration pathway enzymes in <i>helicobacter pylori</i>	CSIR-GS	Gourinath,S., Prof. (M) Jawaharlal Nehru University School of Life Science New Delhi - 110 067 Delhi	19.00	36
177	Structural investigation targeting Human Papilloma Virus 33 (HPV33) E2 protein DNA binding domain	CSIR-GS	Nair,M.S., Dr. (F) Indian Institute of Technology (Roorkee) Department of Biotechnology Roorkee - 247 667 Uttarakhand	17.00	36
178	Structural studies of Methicillin resistance factor (FMTA) from <i>Staphylococcus aureus</i> & in-silico inhibitor designing	CSIR-GS	Kumar,P., Dr. (M) Indian Institute of Technology (Roorkee) Department of Biotechnology Roorkee - 247 667 Uttarakhand	13.00	36
179	Studies on the textile waste treatment by extremophilic bacterial laccase	CSIR-GS	Dutta,T., Dr. (M) Indian Institute of Technology (Delhi) Department of Chemistry, Hauz Khas New Delhi - 110 016 Delhi	18.50	36
180	Understanding the role of novel chemotaxis receptors & chemotaxis components in <i>Xanthomonas virulence</i> & colonization	CSIR-GS	Chatterjee,S., Dr. (M) Centre for DNA Fingerprinting & Diagnostics Hyderabad - 500 039 Telangana	18.00	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
181	Functional characterization of novel RBTI gene from rice bean & validation of its insecticidal properties in transgenic tobacco	CSIR-SS	Katoch,R., Dr. (M) Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya Department of Crop Improvement Palampur - 176 062 Himachal Pradesh	20.00	36
182	Lipidomic study to identify potential platelet lipids as biomarker for the early prediction of severe Dengue & to assess the role of lipids in platelet dysfunction & Dengue pathogenesis	CSIR-SS	Kumar,A.B., Dr. (M) Sri Balaji Vidyapeeth Central Interdisciplinary Research Facility Puducherry - 607 402 Puducherry	5.38	36
183	Mupirocin silver nanoparticles loaded collagen dressing for treating burn wound infections	CSIR-SS	Sankar,V., Dr. (M) P.S.G. College of Pharmacy Department of Pharmaceutics Coimbatore - 641 004 Tamil Nadu	10.00	36
184	A chemical biology approach for early detection of pregnancy in buffalo (Bubalus bubalis)	DBT-R&D	Sarkar,M., Dr. (M) Principal Scientist ICAR-Indian Veterinary Research Institute Bareilly - 243 122 Uttar Pradesh	54.91	36
185	A novel integrated biorefinery for conversion of lignocellulosic agro waste into value added products & bioenergy (biohydrogen & methane)	DBT-R&D	Banu,R., Mr. (M) Associate Professor Central University of Tamil Nadu Tiruvavur - 610 004 Tamil Nadu	60.99	24
186	An attempt to enhance the shelf life of an oocyte to increase the fertilization time window	DBT-R&D	Hanumanthu,P.R.B.D., Dr. (M) Scientist E National Institute of Animal Biotechnology Hyderabad - 500 046 Telangana	69.98	36
187	An eco-friendly approach towards bio-consolidation via co-culture technique	DBT-R&D	Dikshit,R., Dr. (F) Research Associate Indian Institute of Science Bengaluru - 560 012 Karnataka	35.85	36
188	Antidotes against dsDNA Adeno virus induced kerato-conjunctivitis: Ex vivo platform for nanoformulation development	DBT-R&D	Goswami,A., Prof. (M) Indian Statistical Institute Kolkata - 700 108 West Bengal	34.29	24
189	Assessment of endocrine disruption in fish reproduction	DBT-R&D	Suresh,V.R., Dr. (M) Principal Scientist & HOD ICAR-Central Inland Fisheries Research Institute Sundarbans Kolkata - 700 120 West Bengal	288.79	36
190	Bioconversion of CO2 to biofuels through microbial catalyzed systems	DBT-R&D	Velvizhi,G., Dr. (F) Associate Professor Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	49.98	36
191	Bio-engineered synthetic antimicrobial peptides as alternative to antibiotics for use in aquaculture	DBT-R&D	Thakuria,D., Dr. (M) Senior Scientist ICAR-Directorate of Coldwater Fisheries Research Nainital - 263 136 Uttarakhand	81.74	36
192	Bioprocess development for cost effective lignocelluloic bioethanol production	DBT-R&D	Kuila,A., Dr. (M) Assistant Professor Banasthali Vidyapeeth Tonk - 304 022 Rajasthan	70.48	36
193	Bioprospecting of feather waste as a source of bioactive peptides & compounds by using native Keratinolytic microbes of north-eastern India	DBT-R&D	Kshetri,P., Dr. (F) Research Associate ICAR-Research Complex for NEH Region Imphal - 795 004 Manipur	56.88	36
194	Breeding & management of Jatropha hybrid genetic resources	DBT-R&D	Parthiban,K.T., Dr. (M) Forest College & Research Institute Coimbatore - 641 301 Tamil Nadu	30.54	36



BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
195	Catalytic aqueous-phase reforming of medel compounds of microalgae & activated sludge	DBT-R&D	Vaidya,P.D., Prof. (M) Institute of Chemical Technology Mumbai - 400 019 Maharashtra	47.29	36
196	Characterization & targeting host kinase genes to address Mycobacterium Tuberculosis infection in aging cells	DBT-R&D	Haobam,B., Dr. (F) C.R. Associate Maharaja Sayajirao University of Baroda Vadodara - 390 002 Gujarat	40.00	36
197	Characterization of mucosal immunoglobins in Tilapia & development of Elisa for diagnosis of Tilapia Lake Virus (TLV) infection	DBT-R&D	Bedekar,M.K., Dr. (F) Principal Scientist ICAR-Central Institute for Fisheries Education Mumbai - 400 061 Maharashtra	35.09	36
198	Cloning & expression of amylases from the microbes associated with hot springs niche & application of recombinant amylase for the production of 'limit dextrins' from starchy bioresearches of Sikkim	DBT-R&D	Thakur,N., Dr. (M) Assistant Professor Sikkim University Gangtok - 737 102 Sikkim	62.69	36
199	Cloning an MIH double knock-out prawn, Macrobrachium rosenbergii	DBT-R&D	Lazar,K.V., Dr. (M) Calicut University Kozhikode - 673 635 Kerala	22.90	36
200	Comparison of herbal & semi-synthetic compounds for enhancement of the proliferation & potency of Mesenchymal stem cells derived from adult dental pulp & adipose tissue for diabetic wounds using 3D scaffolds	DBT-R&D	Bhattacharjee,A., Dr. (M) Assistant Professor North-Eastern Hill University Shillong - 793 022 Meghalaya	104.94	36
201	Conservation, propagation & mass multiplication of selected orchids species for developing biobased entrepreneurship in north east India	DBT-R&D	Mukherjee,P.K., Dr. (M) Director Institute of Bioresources & Sustainable Development Imphal - 795 001 Manipur	561.24	36
202	Deciphering the role of Sumoylation pathway in the pathogenesis of Leishmania donovani in macrophages	DBT-R&D	Singhal,J., Dr. (F) P.D. Fellow Jawaharlal Nehru University New Delhi - 110 067 Delhi	44.66	36
203	Deep sequencing based virome analysis of passion fruit viral complex & deciphering the pathogenicity mechanisms	DBT-R&D	Phurailatpam,S., Dr. (F) Junior Research Fellow ICAR-Research Complex for NEH Region Imphal - 795 004 Manipur	38.22	36
204	Demonstration of algal chassis for the photo autotrophic production of Isoprenoids	DBT-R&D	Pandit,R.A., Dr. (F) Associate Professor Institute of Chemical Technology Mumbai - 400 019 Maharashtra	87.92	36
205	Demonstration of established bio-restoration technology for ecological restoration of degraded mangrove ecosystem in Indian Sunderbans through site-specific approach across differential degradation gradients	DBT-R&D	Ray,K., Dr. (F) Assistant Professor West Bengal State University Kolkata - 700 126 West Bengal	241.89	60
206	Demonstration of tissue cultured cut flower orchid production in villages of Assam & Meghalaya	DBT-R&D	Suting,A.S., Mr. (M) Senior Scientist Bio Resources Development Centre Shillong - 793 001 Meghalaya	271.32	36
207	Design & characterization of peptide based cell targeting domains with live cell & animal imaging methods	DBT-R&D	Ramakrishnan,V., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	71.56	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
208	Developing a new candidate species for mariculture: Marine Finfish John's Snapper, Lutjanus Johnii	DBT-R&D	Ranjan,R., Dr. (M) Senior Scientist ICAR-Central Marine Fisheries Research Institute Ernakulam Kochi - 682 018 Kerala	80.02	42
209	Development & demonstration of a green technology for conversion of crop residues into gaseous & solid bio-fuel for household/commercial application	DBT-R&D	Narra,M., Dr. (F) Principal Scientist Sardar Patel Renewable Energy Research Institute Vallabh Vidyanagar - 388 120 Gujarat	69.23	24
210	Development of a scalable expression platform for the overproduction of commercially important novel Ubiquitin-like proteases (Ulp) from schizosaccharomyces pombe in Escherichia coli	DBT-R&D	Khasa,Y.P., Dr. (M) Assistant Professor Delhi University New Delhi - 110 021 Delhi	39.15	24
211	Development of biochemical enhanced oil recovery technology for northeastern oil fields of India	DBT-R&D	Nath,A.J., Dr. (M) Assistant Professor Assam University Silchar - 788 011 Assam	66.52	36
212	Development of colorimetric PCR assay for differentiation of field & vaccine strains of Marek's Disease virus in chicken	DBT-R&D	Pazhanivel,N., Dr. (M) Professor Madras Veterinary College Chennai - 600 007 Tamil Nadu	24.54	18
213	Development of herbal formulation from medicinal plants (Ocimum sanctum & Solanum xanthocarpum) for the therapeutic management of Mycobacterium avium subspecies paratuberculosis infection in domestic livestock	DBT-R&D	Singh,S.V., Dr. (M) Professor & Head GLA University Mathura - 281 406 Uttar Pradesh	96.04	36
214	Development of indigenous yeast platform for biosynthesis of plant derived natural products by metabolic engineering approaches	DBT-R&D	Marimuthu,J., Dr. (F) Fellow National Institute of Ocean Technology Chennai - 600 100 Tamil Nadu	39.03	36
215	Development of novel gene/vaccine delivery vectors derived from novel animal Adeno viruses isolated from India	DBT-R&D	Appaiahgari,M.B., Dr. (M) Scientific Fellow CSIR-Centre for Cellular & Molecular Biology Hyderabad - 500 007 Telangana	72.29	48
216	Development of novel rationally designed ferrocene, glucose & folic acid conjugated lanthanide (III), iron (III) & cobalt (III) complexes as antibacterial & theranostic anticancer agents	DBT-R&D	Saikia,K.K., Dr. (M) Associate Professor Gauhati University Institute of Science & Technology Guwahati - 781 014 Assam	100.49	36
217	Development of novel semen extender to optimize post thaw quality for enhancement of productivity & multiplication of superior goat germplasm	DBT-R&D	Ranjan,R., Dr. (M) Senior Scientist ICAR-Central Institute for Research on Goats Mathura - 281 122 Uttar Pradesh	73.06	36
218	Development of paenibacillus polymyxa as a platform for production of branched chain alcohols	DBT-R&D	Yazdani,S.S., Dr. (M) Group Leader International Centre for Genetic Engineering & Biotechnology New Delhi - 110 067 Delhi	89.58	36
219	Development of sustainable technology for the production of anticancer chromone alkaloids, rohitukine & dysoline from Indian forest trees	DBT-R&D	Patel,M.K., Dr. (M) Assistant Professor The University of Trans-Disciplinary Health Sciences & Technology Bengaluru - 560 064 Karnataka	74.81	36
220	Development of ultra-sensitive luminescent paper biosensor for quantification of cadmium & arsenic heavy metal contamination in drinking water & seafood	DBT-R&D	Tiwari,M., Dr. (F) Goa University Goa - 403 206 Goa	42.26	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
221	Diversity of white rot fungal laccase enzyme in northeast India	DBT-R&D	Saini,J.K., Dr. (M) Assistant Professor Central University of Haryana Narnaul Mahendragarh - 123 029 Haryana	83.50	36
222	Elucidating the cross-talk between histone acetyltransferases & ATP-dependent chromatin remodelers in C. albicans & mammalian cells	DBT-R&D	Muthuswami,R., Dr. (F) Associate Professor Jawaharlal Nehru University New Delhi - 110 067 Delhi	61.72	36
223	Elucidating the role of small RNA based effectors involved in root colonization of a growth promoting endophytic fungus Piriformospora indica in Chickpea (Cicer arietinum)	DBT-R&D	Pasari,N., Dr. (F) National Institute of Plant Genome Research New Delhi - 110 067 Delhi	34.15	36
224	Enhanced carbonate precipitation of ureolytic & nitrifying microbe treated rubber wastewater	DBT-R&D	Goud,V.V., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	99.99	36
225	Entomoremediation of plastics: Role of host-gut microbiota of insect resources of north east Indian in plastics degradation	DBT-R&D	Kshetrimayum,M.D., Dr. (F) Gauhati University Guwahati - 781 014 Assam	59.13	36
226	Environmental impact anthropogenic activities on wetland bio-diversity of Rudrasagar lake, the Ramsar site of Tripura	DBT-R&D	Mitra,S., Dr. (M) Assistant Professor Tripura University Agartala - 799 022 Tripura	66.55	36
227	Epigenetic regulation of placental Peroxisome Proliferation Activated Receptor (PPAR) in women delivering low birth weight babies	DBT-R&D	Sundrani,D.P., Dr. (F) Assistant Professor Interactive Research School for Health Affairs Pune - 411 043 Maharashtra	37.95	36
228	Evaluating the role of Cullin E3 Ubiquitin ligases in autophagy	DBT-R&D	Dar,M.A., Dr. (M) Fellow Kashmir University Srinagar - 190 006 Jammu & Kashmir	56.51	36
229	Evaluation of antioxidant & anti-hyperlipidemic property of few selected medicinal plants used by the tribal population of Goalpara district, Assam	DBT-R&D	Boruah,D.C., Dr. (M) Assistant Professor Goalpara College Goalpara - 783 101 Assam	48.17	36
230	Exploration & conservation of antimicrobial metabolites producing actinobacteria prevalent in protected forest ecosystems of northeast India to develop an Antimicrobial Metabolites Producing Actinobacterial Database (AMPAD) for utilization against ..	DBT-R&D	Thakur,D., Dr. (M) Associate Professor Institute of Advanced Study in Science & Technology Guwahati - 781 035 Assam	103.00	36
231	Exploring the efficacy of nutrient rich biochar based fertilizer on tea (Camellia sinensis L.) & Indian Ginseng (Withania somnifera L.): A biotechnological intervention	DBT-R&D	Khare,P., Dr. (F) Scientist CSIR-Central Institute of Medicinal & Aromatic Plants Lucknow - 226 015 Uttar Pradesh	78.68	36
232	Exploring plant-microbial interactions to unlock the fixed nutrients in calcareous soils for increasing the crop productivity & soil fertility	DBT-R&D	Thiyagarajan,C., Dr. (F) Professor Tamil Nadu Agricultural University Coimbatore - 641 003 Tamil Nadu	24.00	36
233	Fragment-based drug design of potent inhibitors of Mycobacterium Tuberculosis	DBT-R&D	Thangaraj,S., Dr. (F) P.D. Fellow Indian Institute of Science Bengaluru - 560 012 Karnataka	33.16	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
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234	Functional consequences of cancer testis antigen ATAD2 in Pancreatic cancer	DBT-R&D	Roychowdhury,A., Dr. (F) Assistant Professor Indian Institute of Technology (Bhubaneswar) Bhubaneswar - 751 013 Odisha	24.60	36
235	Gene expression profiling for the identification of resistant/tolerant genes to microsporidian infection in Lamerin breed of silkworm, Bombyx mori	DBT-R&D	Naik,T.K.S., Ms. (F) Central Silk Board Bengaluru - 560 068 Karnataka	73.15	36
236	Genetic characterization of pediatric mitochondrial diseases: A study from a Tertiary Care Hospital	DBT-R&D	Kothari,S.R., Dr. (F) Consultant Bai Jerbai Wadia Hospital for Children Department of Paediatric Neurologist Mumbai - 400 012 Maharashtra	37.27	36
237	Genetic engineering of microalgae for producing alkanes for further applications	DBT-R&D	Kumar,S., Dr. (M) Group Leader International Centre for Genetic Engineering & Biotechnology New Delhi - 110 067 Delhi	117.68	36
238	High density continuous production of demonsticated marine copepods (Pseudodiaptomus annandalei, dioithona rigida & netoka affinis) through selective & induced breeding using RAS	DBT-R&D	Santhanam,P., Dr. (M) Associate Professor Bharathidasan University Tiruchirappalli - 620 024 Tamil Nadu	52.21	36
239	High rate biomethanation of market & vegetable waste - Telangana	DBT-R&D	Anupoju,G.R., Dr. (M) Chief Scientist CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	631.23	36
240	Host Induced Gene Silencing (HIGS) of key pathogenicity factors in Verticillium dahliae to enhance resistance in eggplant against wilt disease	DBT-R&D	Singh,D., Dr. (F) Assistant Professor Gautam Buddha University Greater Noida - 201 308 Uttar Pradesh	54.80	36
241	Human microbiome initiative of select endogamous populations of India	DBT-R&D	Makharia,G.K., Prof. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	2923.62	33
242	Hydrogen production from biomass through pyrolysis process followed by catalytic steam reforming of volatiles	DBT-R&D	Loha,C., Dr. (M) Senior Scientist CSIR-Central Mechanical Engineering Research Institute Durgapur - 713 209 West Bengal	75.50	36
243	Hyperthermophile Enzyme Hydrolase Research Centre (HEHRC): A micro-center for research & development relating to thermophile & hyperthermophile microbe-derived hyperthermostable hydrolase enzymes relevant to biofuels & the energy biosciences	DBT-R&D	Guptasarma,P., Dr. (M) Professor Indian Institute of Science Education & Research (Mohali) Mohali - 140 306 Punjab	215.26	60
244	Identification & characterization of the molecular factors for the quality-control of kinetochore size & fidelity of spindle-chromosome attachment	DBT-R&D	Manna,T.K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Thiruvananthapuram - 695 016 Kerala	157.93	36
245	Identification of key molecular factors involved in resistance/ susceptibility to paratuberculosis infection in indigenous breeds of cows	DBT-R&D	Singh,S.V., Dr. (M) Professor & Head GLA University Mathura - 281 406 Uttar Pradesh	96.20	36
246	Impact of carbon nanomaterial based photocatalyst on microalgae growth & lipid for improved biodiesel	DBT-R&D	Rai,M.P., Dr. (F) Professor Amity University Noida - 201 303 Uttar Pradesh	51.26	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
247	Impact of mass bathing on the natural microbiota of the river Ganges; a concern to human health	DBT-R&D	Shouche,Y.S., Dr. (M) Emeritus Scientist National Centre for Cell Sciences Pune - 411 007 Maharashtra	85.70	36
248	Implementation of a self-sustainable model for energy generation by adopting a patented clean technology for conversion of 3.5 TPD mixed organic waste into methane & bio-fertilizer	DBT-R&D	Narra,M., Dr. (F) Principal Scientist Sardar Patel Renewable Energy Research Institute Vallabh Vidyanagar - 388 120 Gujarat	139.28	29
249	Indian marine cyanobacterial host for production of drop-in fuels	DBT-R&D	Yazdani,S.S., Dr. (M) Group Leader International Centre for Genetic Engineering & Biotechnology New Delhi - 110 067 Delhi	78.00	36
250	Induction of ferroptosis in drug tolerant oral Cancer Stem Cells (CSCs) - effect on CSC self-renewal & molecular mechanism involved therein	DBT-R&D	Pandurangi,S.L., Dr. (F) GITAM University Visakhapatnam - 530 045 Andhra Pradesh	51.67	36
251	Integrated design & demnstration of intensified CO2 capture with cost effective advanced process (INDIA-CO2)	DBT-R&D	Dash,S.K., Dr. (M) Assistant Professor Pandit Deendayal Petroleum University Gandhi Dham - 382 007 Gujarat	62.77	36
252	Integrated development of turmeric sector in north eastern & Bundelkhand regions through sustainable technological interventions for improvement of productivity, quality & post-harvest processing technology under Good Agricultural Practices (GAP) ..	DBT-R&D	Mahanta,P., Dr. (M) Principal Scientist Assam Agricultural University Jorhat - 785 013 Assam	429.61	36
253	Interaction mechanism of actin cytoskeleton & cell membrane: Towards an understanding of GPCR organization	DBT-R&D	Prakash,S., Dr. (F) CSIR-National Chemical Laboratory Pune - 411 008 Maharashtra	39.60	36
254	Investigation of the role of DYAD in transcriptional modulation of meiotic cell cycle regulators	DBT-R&D	Singh,A., Dr. (F) PDF CSIR-Centre for Cellular & Molecular Biology Hyderabad - 500 007 Telangana	57.56	36
255	Invetigating the role of TRAIL receptors in modulating in modulating NF-?B signaling pathway to produce resistance against TRAIL mediated apoptosis	DBT-R&D	Pal,R., Dr. (F) Assistant Professor Presidency University Kolkata - 700 073 West Bengal	41.95	36
256	Large scale cultivation of algal biomass for biofuel production	DBT-R&D	Viswanaathan,S., Dr. (F) Scientist - Grade II Shri A.M.M. Murugappa Chettiar Research Centre Chennai - 600 113 Tamil Nadu	42.52	32
257	Light inducible expression system	DBT-R&D	Ramamurthy,V., Prof. (M) P.S.G. College of Technology Coimbatore - 641 004 Tamil Nadu	33.62	36
258	Membrane based prototype development for higher yeild of microalgal biomass & biofuel using industrial waste resources	DBT-R&D	Ghosh,S., Dr. (F) Principal Scientist CSIR-Central Glass & Ceramic Research Institute Kolkata - 700 032 West Bengal	58.20	36
259	Metabolic engineering of cyanobacteria for photosynthetic conversion of carbon dioxide into storable fuels	DBT-R&D	Wangikar,P.P., Dr. (M) Professor Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	90.00	42
260	MicroRNAs in exhaled breath condensate as biomarkers for early diagnosis of lung cancer	DBT-R&D	Mohan,A., Prof. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	81.50	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
261	Modulation of stomatal aperture regulating genes to improve carbon gain & crop yield	DBT-R&D	Chandrashekar,B.K., Dr. (F) Research Fellow Regional Centre for Biotechnology Faridabad - 121 001 Haryana	52.91	36
262	Molecular basis of asphaltene biotransformation by a microbial consortium	DBT-R&D	Srivastava,P., Dr. (F) Associate Professor Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	55.88	36
263	Molecular investigation into the lignocellulolytic system of a new wild silk moth in north-east India	DBT-R&D	Debnath,R., Dr. (M) Scientist B Central Muga Eri Research & Training Institute Jorhat - 785 700 Assam	74.39	36
264	Morphological, biochemical & molecular characterization of Jamun genotypes of north-eastern region	DBT-R&D	Das,S.C., Dr. (M) Assistant Professor College of Agriculture Thiruvananthapuram - 695 522 Kerala	54.26	36
265	Multipronged approach for pre-clinical assessment of novel curcumin formulations as drugs for breast cancer therapy	DBT-R&D	Kundu,G.C., Dr. (M) Director R&D Kalinga Institute of Industrial Technology University Bhubaneswar - 751 024 Odisha	96.13	36
266	Nanocurcumin based combinatorial therapy for Tuberculosis	DBT-R&D	Kar,S.K., Prof. (M) KIIT Technology Business Incubator Bhubaneswar - 751 024 Odisha	66.44	24
267	Nanotechnology based single dipstick for the instant detection of multiple adulterants in milk	DBT-R&D	Ramani,V.M., Dr. (M) Kamdhenu University Dairy Science College, Amreli Gandhinagar - 365 601 Gujarat	67.07	24
268	Novel concepts for developing efficient cellulolytic cocktail for hydrolysis of bio-refinery relevant pretreated lignocellulosics	DBT-R&D	Chadha,B.S., Prof. (M) Guru Nanak Dev University Amritsar - 143 001 Punjab	105.69	36
269	Novel laccases for degradation of complex dyes for textile waste water treatment	DBT-R&D	Mishra,S., Dr. (F) Professor Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	68.86	36
270	Outdoor mass cultivation of marine microalgae for biodiesel production with improved solar conversion efficiencies	DBT-R&D	Dharmar,P., Dr. (M) Director Bharathidasan University Tiruchirappalli - 620 024 Tamil Nadu	79.33	36
271	Perturbations in human gut microbiome & their interactions with host genetics on long term exposure of arsenic	DBT-R&D	Ghosh,S.G., Dr. (F) Research Associate CSIR-National Environmental Engineering Research Institute Kolkata Zonal Laboratory Kolkata - 700 107 West Bengal	36.60	36
272	Phytopharmaceutical development of trachyspermum ammi for Post Kala-azar Dermal Leishmaniasis (PKDL)	DBT-R&D	Thakur,C.P., Dr. (M) Chairman Balaji Utthan Sansthan Kala-Azar Research Centre Patna - 800 001 Bihar	183.19	36
273	Population genomics & mapping signatures of natural selection in Asian seabass in India	DBT-R&D	Singh,R.K., Dr. (M) Principal Scientist ICAR-National Bureau of Fish Genetic Resources Lucknow - 226 002 Uttar Pradesh	64.00	36
274	Prebiotic feed supplement for growth improvement of Indian major carps, Labeo rohita, Cirrhinus mrigala & Catla catla under composite culture system: A gut microbiome & nutrigenomics based approach	DBT-R&D	Ghosh,K., Dr. (M) Associate Professor Burdwan University Burdwan - 713 104 West Bengal	91.43	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
275	Production, nano-delivery & validation of viral vaccine against Noda virus of fish	DBT-R&D	Rajwade,J.M., Dr. (F) Scientist E Agharkar Research Institute Pune - 411 004 Maharashtra	159.94	36
276	Quantitative proteomics & phosphoproteomics to understand drought stress perception & response in Lentil genotypes (Lens culinaris)	DBT-R&D	Singh,A.K., Dr. (M) Senior Scientist ICAR-Indian Institute of Agricultural Biotechnology Ranchi - 834 010 Jharkhand	57.21	36
277	Role of HMGB1 in H pylori mediated gastric cancer: A possible therapeutic candidate	DBT-R&D	Bhattacharya,S., Dr. (F) ICMR-National Institute of Cholera & Enteric Diseases Kolkata - 700 010 West Bengal	21.54	36
278	Scalable bioprocessing platform for the recombinant production of potent novel antimicrobial peptides	DBT-R&D	Basu,A., Dr. (M) Assistant Professor Rajiv Gandhi Prodyogiki Vishwavidyalaya Bhopal - 462 036 Madhya Pradesh	31.11	36
279	Sequestration of CO2 with simultaneous production of succinic acid by metabolically engineering	DBT-R&D	Lal,B., Dr. (M) Senior Director The Energy & Resources Institute New Delhi - 110 003 Delhi	58.97	36
280	Solar assisted hydroformylation/carboxylation of olefins containing natural products with CO2	DBT-R&D	Jain,S.L., Dr. (F) Sr. Scientist & Head CSIR-Indian Institute of Petroleum Dehradun - 248 005 Uttarakhand	57.26	42
281	Standardization of indigenous probiotic based formulation for immunity, glucose & lipid metabolism	DBT-R&D	Pal,A., Dr. (M) Scientist CSIR-Central Institute of Medicinal & Aromatic Plants Lucknow - 226 015 Uttar Pradesh	67.57	36
282	Structure determination & targeting of ubiquitously expressed membrane integrated form of Chloride Intracellular Channels (CLICs) for discovery of small molecular anti-cancer therapeutics	DBT-R&D	Chaudhary,S., Dr. (F) Assistant Professor Bennett University Greater Noida - 201 310 Uttar Pradesh	147.99	24
283	Study of in-depth genetic heterogeneity with respect to resistome & compensatory adaption of MDR Mtb clinical strains inside BM-Mesenchymal stem cells circulating in the north east region	DBT-R&D	Prasad,R., Dr. (M) Director Amity Institute of Biotechnology Amity University Gurgaon - 122 413 Haryana	316.50	36
284	Study of induction & mechanisms of autophagy in EAC cells upon treatment with Theaflavins	DBT-R&D	Maiti,D., Prof. (M) Tripura University Agartala - 799 022 Tripura	70.97	36
285	Study of progesterone receptor foci & progesterone signaling in breast cancer cells	DBT-R&D	Sreeharshan,S., Dr. (F) Scientist E II Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram - 695 014 Kerala	31.07	36
286	Synergistic wound healing effect of herbal gel formulation from Curcuma amada Roxb. & essential oils against Methicillin resistant staphylococcus aureus	DBT-R&D	Kavitha,R., Dr. (F) Associate Professor & Head Periyar University Department of Biotechnology Salem - 636 011 Tamil Nadu	24.93	24
287	Targeting Beta-arrestin dependent GPCR signaling with highly specific molecular recognition modules as a therapeutic approach in breast cancer	DBT-R&D	Shukla,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	45.35	36
288	Trace metal analysis of bio-fluids of tubir consumers & identification of its cellular, genetic & epigenetic targets	DBT-R&D	Bose,M.R., Dr. (M) Professor Mizoram University Aizawal - 796 004 Mizoram	73.40	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
289	Traslational research & clinical development of malaria vaccine candidates	DBT-R&D	Chauhan,V.S., Prof. (M) Fellow International Centre for Genetic Engineering & Biotechnology New Delhi - 110 067 Delhi	226.78	36
290	Understanding the mechanisms of resistance to sucking pest, helopeltis theivora & development of microbe - based bioformulation against major tea pests	DBT-R&D	Thakur,D., Dr. (M) Associate Professor Institute of Advanced Study in Science & Technology Guwahati - 781 035 Assam	109.20	36
291	Unravelling the mechanism of action of LINC00273 (Long Intergenic Non Coding RNA) in inducing Epithelial to Mesenchymal transition in cancer	DBT-R&D	Chatterjee,S., Dr. (M) Associate Professor Bose Institute Kolkata - 700 054 West Bengal	69.28	36
292	Unravelling the pathobiology of pancreatic insufficiency associated with FMDV infection & development of ameliorative measures	DBT-R&D	Mahadappa,P., Dr. (F) Scientist ICAR-Indian Veterinary Research Institute Bengaluru - 560 024 Karnataka	53.88	36
293	Up scaling marine fish seed production using copepod live feed	DBT-R&D	Altuff,K., Dr. (M) Professor AMET University Chennai - 603 112 Tamil Nadu	26.55	36
294	Urinary microRNA as potential biomarkers for childhood nephrotic syndrome	DBT-R&D	Priya,C.D.M., Dr. (F) Assistant Professor Research Sri Ramachandra Institute of Higher Educaion & Research Chennai - 600 116 Tamil Nadu	30.15	42
295	Utilize a CRISPR Cas tools for redirecting metabolic flux in thermoanaerobacterium sp RBIT for biobutanol production	DBT-R&D	Biswas,R., Dr. (F) Associate Professor & Fellow Maulana Abul Kalam Azad University of Technology Kolkata - 700 064 West Bengal	140.02	36
296	Validation of Polyhydroxy Butyrate (PHB) - bioemulsifier fortified feed to control vibriosis in shrimp aquaculture	DBT-R&D	Seghal,G.K., Dr. (F) Pondicherry University Puducherry - 605 014 Puducherry	51.79	36
297	Whole genome analysis, phylogenomic study, identification of novel drug targets & T-cell epitopes against malaria parasites, using NGS analysis, assorted integrative computational	DBT-R&D	Kanipakam,H., Dr. (F) International Centre for Genetic Engineering & Biotechnology New Delhi - 110 067 Delhi	39.15	36
298	Studying polymorphism in drug intermediates & their applications	DRDO-ER & IPR	Kirubakaran,S., Dr. (F) Assistant Professor Indian Institute of Technology (Gandhinagar) Department of Chemistry & Bioengineering Gandhinagar - 382 355 Gujarat	75.36	36
299	Surveillance & monitoring of populations of the devastating irish potato famine pathogen, phytophthora infestans in India to safe guard against potential biosecurity threats & to ensure food security of the nation	DRDO-ER & IPR	Roy,S.G., Dr. (M) Associate Professor & Head West Bengal State University Department of Botany, Barasat Kolkata - 700 126 West Bengal	64.31	36
300	A multilayered regenerative scaffold engineered to heal deep wound by mimicking anatomical architecture of natural tissue	DRDO-LSRB	Lahiri,D., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	29.85	24
301	Correlation between psychological & physiological paramters of stress among staff & students an empirical study	DRDO-LSRB	Kaushik,N., Dr. (M) Associate Professor & Head National Institute of Technology (Kurukshetra) Kurukshetra - 136 119 Haryana	36.64	36



BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
302	Customized bioactive porous titanium implants with improved tissue - integration & attenuated aseptic for orthopaedic applications	DRDO-LSRB	Dhara,S., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	65.42	36
303	Deciphering the role of efflux pumps in imparting antimicrobial resistance in straphylococcus aureus & their inhibitors in potentiating the existing therapy	DRDO-LSRB	Sharma,P., Dr. (M) Scientist D National Institute of Animal Biotechnology Gachibowli Hyderabad - 500 032 Telangana	24.65	36
304	Design & development of natural hepato protective chumam for army personnel working in extreme conditions	DRDO-LSRB	Swarnalatha,Y., Dr. (F) Professor Sathyabama University Jeppiaar Nagar Chennai - 600 119 Tamil Nadu	32.37	36
305	Developing acquisition & data analytical protocols for single-event p300 brain event-related potentials	DRDO-LSRB	Jayachandra,M., Dr. (M) Facility Tech. Manager Indian Institute of Science Bengaluru - 560 012 Karnataka	33.00	24
306	Development & characterization of second generation chimetic antigen receptor T-Cell tagged with riboflavin photo. Activation to specifically target adherent cancers, using patient derived HSCs maintained under microgravity	DRDO-LSRB	Verma,R.S., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	25.20	36
307	Development of lectin-based lateral flow assay for rapid diagnosis of dengue severity	DRDO-LSRB	Mukhopadhyay,S., Dr. (F) Research Officer Calcutta School of Tropical Medicine Kolkata - 700 073 West Bengal	26.91	36
308	Development of new & novel radition dosimetric OSL materials by ion implantation technique & chemical methods for improved dosimetry	DRDO-LSRB	Kumar,P., Dr. (M) Professor & Head All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	23.66	36
309	Development of scalable route for the manufacture of prussian blue insoluble of pharmaceutical grade an FDA aproced decorporation drug	DRDO-LSRB	Madhavi,Y.V., Dr. (F) Assistant Professor National Institute of Pharmaceutical Education & Research Balanagar Hyderabad - 500 037 Telangana	49.77	36
310	Development of solid liquid nano-encapsulated herbal essential oil for improved topical mosquito repellency	DRDO-LSRB	Mazumdar,B., Dr. (M) Professor Dibrugarh University Dibrugarh - 786 004 Assam	36.55	36
311	Development of thermally conductive elastomeric composites for liquid cooled garments to mitigate thermal stress	DRDO-LSRB	Prabhu,T.N., Dr. (M) Head M.S. Ramaiah University of Applied Sciences Bengaluru - 560 054 Karnataka	70.00	36
312	Development of wearable kinesiological system using sensorized glove & existing motion capture system for uper limb kinematics & kinetics analysis during lifting tasks	DRDO-LSRB	Ojha,R., Dr. (M) Scientist Christian Medical College Vellore - 632 002 Tamil Nadu	48.64	24
313	Evolution of locally available phyto-genics as feed additives	DRDO-LSRB	Banday,M.T., Dr. (M) Professor & Head Sher-E-Kashmir University of Agriculture Sciences & Technology (Srinagar) Srinagar - 190 006 Jammu & Kashmir	23.09	36
314	High altitude-hypoxia mediates Thrombosis in soldiers: Inhibition of autophagy as a strategy to combat high altitude-low oxygen induced Thrombosis	DRDO-LSRB	Chowdhury,R., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani) Pilani - 333 031 Rajasthan	42.24	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
315	Investigating role of serum magnesium in patho-physiology of heat illness & susceptibility among Indian population	DRDO-LSRB	Barhwal,K.K., Dr. (F) Assistant Professor All India Institute of Medical Sciences Bhubaneswar - 751 019 Odisha	21.71	36
316	Mesoporous antibacterial bioactive glass microsphere impregnated non-woven surgical cotton gauze based haemostatic dressing for profused bleeding military wounds	DRDO-LSRB	Chakraborty,J., Dr. (F) Senior Scientist Council of Scientific & Industrial Research Kolkata - 700 032 West Bengal	37.23	36
317	Metabolomics, antioxidant, scavenging & cytotoxicity study of tropical seaweeds for their food & nutraceutical potential	DRDO-LSRB	Mishra,A., Dr. (M) Senior Scientist CSIR-Central Salt & Marine Chemicals Research Institute Bhavnagar - 364 004 Gujarat	25.21	24
318	Phytotherapeutics mechanism against aflatoxin induced neurodegenerative disorders	DRDO-LSRB	Shukla,S., Prof. (F) Vice Chancellor Jiwaji University Gwalior - 474 011 Madhya Pradesh	28.24	36
319	Screening for drugs against the endoplasmic reticulum stress-responsive RTA proteins of Candida albicans for antifungal therapy: Implications in wound infections	DRDO-LSRB	Panwar,S.L., Dr. (F) Assistant Professor Jawaharlal Nehru University New Delhi - 110 067 Delhi	50.00	36
320	Stress related health problem management of college students by yoga with nutraceutical interventions	DRDO-LSRB	Nandi,D.K., Dr. (M) Associate Professor & HOD Raja Narendra Lal Khan Womens College Midnapore - 721 102 West Bengal	34.82	36
321	A nano bionic approach for enhancement of plant photo synthesis and growth chloroplast mediated photon absorption	DST-N-M	Das,S., Dr. (F) Assistant Professor Amity University Gurgaon - 122 413 Haryana	45.50	36
322	Detecting single base mutations in DNA through magnetic nano-tagging: Are usable nucleo base specific fluorescent assay	DST-N-M	Thiagarajan,V., Dr. (M) Bharathidasan University Tiruchirappalli - 620 024 Tamil Nadu	47.33	36
323	Development of multifunctional engineered nanocarrier delivery systems for oral administration of follicle stimulating hormone	DST-N-M	Mutalik,S., Dr. (M) Manipal University Manipal College of Pharmaceutical Science Udupi - 576 104 Karnataka	31.01	36
324	Development of multi-functional nano-HAP bone substitute for effective bone regeneration in critical defects	DST-N-M	Kumar,A., Dr. (M) Indian Institute of Technology (Kanpur) Department of Biological Sciences & Bioengineering Kanpur - 208 016 Uttar Pradesh	62.10	36
325	Development of nano-enhanced next-generation vascular scaffolds with anti-thrombotic potential	DST-N-M	Dash,D., Prof. (M) Indian Institute of Technology (BHU) Department of Biochemistry, Institute of Medical Sciences Varanasi - 221 005 Uttar Pradesh	125.95	36
326	Development of targeted gut lymphangiogenesis nano medicine for treatment of liver cirrhosis	DST-N-M	Kaur,S., Dr. (F) Institute of Liver & Biliary Sciences Department of Molecular and Cellular Medicine New Delhi - 110 070 Delhi	104.99	36
327	DNA aptamer conjugated nano probes for reach chemicals recognition	DST-N-M	Vaidyanathan, Dr. (M) CSIR-Central Leather Research Institute Advanced Materials Laboratory Chennai - 600 020 Tamil Nadu	32.93	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
328	In vivo Central Venous Catheters associated bio film infection surface treatment using nano materials NM stode crease the thrombotic & infection risks	DST-N-M	Chauhan,A., Dr. (M) Tripura University Agartala - 799 022 Tripura	65.86	36
329	Interface engineered ferroelectric multiferroic tunnel junctions: Finite-size effects & electrical boundary conditions	DST-N-M	Soni,R., Dr. (M) Indian Institute of Science Education & Research (Berhampur) Berhampur - 760 010 Odisha	86.51	36
330	Study of nano scale electrical properties of 2D/2D & 2D/3D interface for solar energy, photo conductivity & thermoelectric applications	DST-N-M	Mehta,B.R., Prof. (M) Indian Institute of Technology (Delhi) Department of Physics, Hauz Khas New Delhi - 110 016 Delhi	431.58	36
331	Targeted delivery of lysosoma lenzymeusing mannose-6 phosphate modifies nano carries for treatment of lysosomal storage diseases	DST-N-M	Gupta,S.S., Dr. (M) Indian Institute of Science Education & Research (Kolkata) Kolkata - 741 246 West Bengal	69.83	36
332	Capacity building of SC communities in S&T of extraction of aromatic oils at Lyallpur Khalsa College, Jalandhar, Punjab state	DST-SCSP	Sharma,A.D., Dr. (M) Lyallpur Khalsa College G.T. Road Jalandhar - 144 001 Punjab	31.10	36
333	Commercial cultivation of cut flowers a cluster development approach for livelihood enhancement in Rewari district of Haryana	DST-SCSP	Yadav,N., Dr. (M) Kundan Welfare Society 61, Hope Apartment, Sector 15 Gurgaon - 122 001 Haryana	59.98	36
334	Development of facility to enhance capability building of scheduled caste population on urban organic waste pellets	DST-SCSP	Srinivas,N., Prof. (M) GITAM University Gitam Institute of Science, Gandhi Nagar Campus, Rushikonda Visakhapatnam - 530 045 Andhra Pradesh	39.28	36
335	Empowering the scheduled caste communities through technological intervention in horticulture & allied venture	DST-SCSP	Dubey,R.K., Dr. (M) Assistant Professor Punjab Agricultural University Department of Floriculture & Landscaping Ludhiana - 141 004 Punjab	36.09	36
336	Scale-up, fortification & dissemination of microbial agro-waste bioconversion technology for empowering rural weaker sections	DST-SCSP	Renu, Dr. (F) Principal Scientist ICAR-National Bureau of Agriculturally Important Microorganisms Kushmaur Maunath Bhanjan - 275 101 Uttar Pradesh	29.68	36
337	Smart drainage system & wrist band for mosquito control	DST-SCSP	Muthusamy,T., Dr. (M) Sri Vasavi Engineering College Tadepalligudem Godavari - 534 101 Andhra Pradesh	32.24	36
338	Up-scaling of the socio-economic status of the backward & marginal schedule caste population by introducing of sustainable agriculture & allied green techniques saving the ecology & ecosystem	DST-SCSP	Saha,S., Dr. (M) Community for Social Work 84, Rabindrapally, Shyamnagar, North Parganas Kolkata - 743 124 West Bengal	38.60	36
339	A low cost microfluidic platform for high throughput production of anti-cancer immunotherapeutic vaccine for personalized medical treatment	DST-SERB-CRG	Bhattacharyya,T.K., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	47.07	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
340	A mechanistic understanding of foliar extrafloral nectar secretion in plants using a Lamiaceae member Clerodendrum fragrant wild, as the experimental system	DST-SERB-CRG	Mitra,A., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	59.55	36
341	A quantitative study on single chromosome elasticity & its relevance to chromosome fragility in cancer	DST-SERB-CRG	Rakshit,T., Dr. (F) S.N. Bose National Centre for Basic Sciences Block-Jd, Sector-III, Salt Lake Kolkata - 700 098 West Bengal	47.43	36
342	A single molecule approach to explore the mechanisms of dealing with replication problems induced by DNA damage	DST-SERB-CRG	Mishra,P.P., Dr. (M) Associate Professor Saha Institute of Nuclear Physics Sector-1, Block-Af, Bidhan Nagar Kolkata - 700 064 West Bengal	55.66	36
343	A study on ecological aspects of Himalayan Goral (Naemorhedus Goral) for conservation planning in Kajinag National Park, Kashmir	DST-SERB-CRG	Bhat,B.A., Dr. (M) Assistant Professor Kashmir University Hazaratbal Srinagar - 190 006 Jammu & Kashmir	40.97	36
344	A study on evolution & fitness consequences of conventional & alternative reproductive strategies in the Indian flying fox, Pteropus giganteus	DST-SERB-CRG	Elangovan,V., Dr. (M) Associate Professor Babasaheb Bhimrao Ambedkar University Vidya Vihar, Raebareli Road Lucknow - 226 025 Uttar Pradesh	43.25	36
345	A systems biology approach to unravel the disparate nature of cellular proliferation organized by microRNA-17-92 cluster components in mammalian cells	DST-SERB-CRG	Kar,S., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	56.65	36
346	A targeted tissue engineering approach to decipher role of S-Nitrosyl mutant signatures of IKK $\gamma$ (NEMO) for regression of pathological cardiac hypertrophy	DST-SERB-CRG	Sarkar,S., Prof. (M) Calcutta University 87 /1, College Street Kolkata - 700 073 West Bengal	51.81	36
347	An integrative & strategic approach to ecological assessment of Ghaghara river, a left- bank tributary of the Ganges	DST-SERB-CRG	Srivastava,P., Dr. (M) Assistant Professor C.M.P. Degree College Allahabad - 211 002 Uttar Pradesh	16.31	36
348	An investigation of life history, breeding ecology & genomic consequences of adaptation to chronic protein deficiency using experimental evolution for live-yeast deprivation on Drosophila melanogaster populations	DST-SERB-CRG	Nandy,B., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Government ITI Building Engineering School Junction Berhampur - 760 010 Odisha	62.39	36
349	Analysis of epithelial to mesenchymal transition regulation by mitochondrial morphology & metabolism in drosophila	DST-SERB-CRG	Rikhy,R., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	58.52	36
350	Architecture of axonemal doublet microtubule inner junction	DST-SERB-CRG	Sirajuddin,M., Dr. (M) Assistant Investigator Institute for Stem Cell Biology & Regenerative Medicine National Centre for Biological Sciences, Bellary Road	62.24	36
351	Assessment of conservation status & phylogeny of selected endemic hornworts (Anthocerotophyta) in India	DST-SERB-CRG	Asthana,A.K., Dr. (M) Principal Scientist CSIR-National Botanical Research Institute Post Box No. 436, Rana Pratap Marg Lucknow - 226 001 Uttar Pradesh	26.07	36
352	Assessment of cytological, biochemical & molecular variability in Viola species from Jammu & Kashmir	DST-SERB-CRG	Geeta, Dr. (F) Assistant Professor Jammu University Gujarbasti Jammu - 180 006 Jammu & Kashmir	31.97	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
353	Assessment of physiological stress & reproductive potential of tiger populations with reference to anthropogenic disturbances including tourism in selective	DST-SERB-CRG	Umapathy,G., Dr. (M) Principal Scientist CSIR-Centre for Cellular & Molecular Biology Uppal Road, Habsiguda Bengaluru - 500 007 Karnataka	34.57	36
354	Assessment of population status, in vitro propagation & restoration of two endemic & endangered Rudraksha trees (Elaeocarpus venustus Bedd. & E.munroii Mast.) of western ghats	DST-SERB-CRG	Ramasubbu,R., Dr. (M) Assistant Professor Stage II Gandhigram Rural University Gandhigram, Chinnalapatti Dindigul - 624 302 Tamil Nadu	24.94	36
355	Barcoding free living protozoan ciliates from the conserved aquatic ecosystems of Himachal Pradesh, India	DST-SERB-CRG	Kumar,S., Dr. (M) Scientist D Zoological Survey of India Prani Vigyan Bhawan, Block-M, New Alipore Kolkata - 700 053 West Bengal	30.83	36
356	Biochemical investigation of endosomal targeting proteins & functional analysis of lysosomal enzymes & their receptors in hydra	DST-SERB-CRG	Nadimpalli,S., Prof. (M) Director Hyderabad University Department of Biochemistry Hyderabad - 500 046 Telangana	57.08	36
357	Biotechnological approaches for developing acyanogenic forage sorghum under drought prone environments for enhanced livestock productivity	DST-SERB-CRG	Mathur,P.B., Dr. (F) Principal Scientist International Crops Research Institute for the Semi-Arid Tropics Patancheru - 502 234 Andhra Pradesh	41.93	36
358	Breaking seed dormancy vis-à-vis rapid micro-tuberization & plantlet regeneration in Kalazeera [Bunium persicum (Boiss.) Fedts.]	DST-SERB-CRG	Khan,M.H., Dr. (M) Assistant Professor Sher-E-Kashmir University of Agriculture Sciences & Technology (Srinagar) Shalimar Campus, Post Box 262 Srinagar - 190 025 Jammu & Kashmir	35.15	36
359	Breeding, nesting ecology & reproductive success in resident species of Gyps vulture in Thar desert of Rajasthan	DST-SERB-CRG	Saran,R.P., Dr. (M) Assistant Professor Jai Narain Vyas University Bhagat Ki Kothi, Pali Road Jodhpur - 342 001 Rajasthan	32.18	36
360	Candidate gene based association analysis & transcriptome sequencing to identify novel allelic variants of grain size associated genes in wheat	DST-SERB-CRG	Singh,A.K., Dr. (M) Scientist Senior Scale ICAR-National Bureau of Plant Genetic Resources Pusa Campus New Delhi - 110 012 Delhi	41.06	36
361	Characterization of the functional role of SET domain proteins SET2 & SET3 in the protozoan parasite Leishmania Donovanii	DST-SERB-CRG	Saha,S., Dr. (F) Professor Delhi University South Campus New Delhi - 110 021 Delhi	58.08	36
362	Characterization of the functional specificity of archaeal Cas4 (CRISPR associated protein 4) proteins for potential applications in genome editing strategies	DST-SERB-CRG	Goel,M., Prof. (F) Assistant Professor Delhi University South Campus New Delhi - 110 021 Delhi	49.59	36
363	Comparative proteomics of exosomes of androgen dependent cell lines & biofluids of Prostate cancer patients	DST-SERB-CRG	Vellaichamy,A., Dr. (M) Associate Professor Anna University Guindy Chennai - 600 025 Tamil Nadu	55.04	36
364	Consequences of wild type p53 amyloid formation in cancer & p53 disaggregation as a potential therapeutic approach	DST-SERB-CRG	Maji,S.K., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	52.53	36
365	Conservation & sustainable use of Nardostachys grandiflora DC [Valerianaceae] an endangered medicinal plant of Sikkim Himalayas	DST-SERB-CRG	Rana,M., Dr. (F) Assistant Professor Sikkim University P.O. Samdur Gangtok - 737 102 Sikkim	24.94	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
366	Control of stem cell heterogeneity during shoot regeneration in Arabidopsis - A functional & mechanistic analysis of its epigenetic regulators	DST-SERB-CRG	Prasad,K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	40.26	36
367	Convergent miRNA actions in coordination of stress response to Alteraria Solani infection in tomato lines	DST-SERB-CRG	Kundu,P., Dr. (M) Associate Professor Bose Institute P1/12, Scheme Viim, Kankurgachic IT Road Kolkata - 700 054 West Bengal	52.31	36
368	Deciphering molecular mechanisms of HsfA2 mediated heat stress response in transgenic barley for enhancing high temperature tolerance in barley & other temperate cereals	DST-SERB-CRG	Chauhan,H., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	42.32	36
369	Deciphering role(s) of post-translational modifications & chromatin regulation of immunity in rice	DST-SERB-CRG	Chakraborty,S., Prof. (F) Staff Scientist VII National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	60.63	36
370	Deciphering the influences of diet restriction on the circadian clocks properties in faster developing fruit flies Drosophila melanogaster	DST-SERB-CRG	Yadav,P., Dr. (M) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	32.69	36
371	Deciphering the mechanism of Mycobacterium Tuberculosis secretory protein PknG in Rab711 GTPase activity & understanding the immunomodulatory role in phagosome maturation	DST-SERB-CRG	Mukhopadhyay,S., Dr. (F) Group Leader Centre for DNA Fingerprinting & Diagnostics Inner Ring Road, Uppal Hyderabad - 500 001 Telangana	55.19	36
372	Deciphering the mechanism of resistance to root lesion nematode in chickpea by using genetic & genomic approaches	DST-SERB-CRG	Thudi,M., Dr. (M) Senior Scientist International Crops Research Institute for the Semi-Arid Tropics Patancheru - 502 234 Andhra Pradesh	63.32	36
373	Deciphering the mechanisms of reduced uptake & accumulation of Arsenic (As) in grain by arbuscular mycorrhizal fungi to develop mitigation strategies for wheat irrigated with As-contaminated ground water in India	DST-SERB-CRG	Kapoor,R., Prof. (F) Delhi University Delhi - 110 007 Delhi	36.34	36
374	Deciphering the molecular basis for the influence of acetylating on the mammalian circadian clock	DST-SERB-CRG	Sekhar,A., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	36.50	36
375	Deciphering the role of Long noncoding RNAs (LncRNAs) in mediating replication stress response during cell division	DST-SERB-CRG	Tripathi,V., Dr. (F) Scientist D National Centre for Cell Sciences Ganeshkhind Pune - 411 007 Maharashtra	51.34	36
376	Deciphering the role of small RNAs in the development of hemophilic arthropathy & formulation of a microRNA based therapeutic to alleviate joint damage	DST-SERB-CRG	Giridhararao,J., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	57.99	36
377	Deep learning model for analyzing time series images of plantain trees in Tamil Nadu & Andhra Pradesh for the detection & prediction of diseases/weeds/pests	DST-SERB-CRG	Malaiyappan,N., Dr. (F) Assistant Professor Stage III Pondicherry University Chinna, Kalapet Puducherry - 605 014 Puducherry	24.72	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
378	Demonstrating the mechanism of host protein sequestration by plasmids in the events of the elevated replication transcription conflicts in Escherichia coli	DST-SERB-CRG	Dutta,D., Dr. (M) Sr. Scientist CSIR-Institute of Microbial Technology Post Box No. 1304, Sector 39-A Chandigarh - 160 036 Chandigarh	55.94	36
379	Design & development of acoustic methods for early detection of stem & root borer Plocaederus Spp infestation in cashew	DST-SERB-CRG	Maruthadurai,R., Dr. (M) Scientist ICAR-Central Coastal Agricultural Research Institute Ella Goa - 403 402 Goa	41.30	36
380	Designer defensin peptides for control of polyphagous insect pest Helicoverpa Armigera	DST-SERB-CRG	Tamhane,V.A., Dr. (F) Assistant Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	42.77	36
381	Designing & evaluation of various configurations of threaded intramedullary pins for canine long bone fractures	DST-SERB-CRG	Kumar,A., Dr. (M) Associate Professor Guru Angad Dev Veterinary & Animal Science University 20, Ludhiana Road, A Block, Aggar Nagar Ludhiana - 141 012 Punjab	34.34	36
382	Detail expression analysis of CIPK9 & identification of upstream regulatory sequences responsive to potassium deficiency in Arabidopsis	DST-SERB-CRG	Pandey,G.K., Prof. (M) Delhi University New Delhi - 110 021 Delhi	37.88	36
383	Development & evaluation of a nanocarrier based novel foot-and-mouth disease virus vaccine for non-parenteral delivery	DST-SERB-CRG	Sreenivasa,B.P., Dr. (M) Principal Scientist ICAR-Indian Veterinary Research Institute Sanjay Nagar Bengaluru - 560 024 Karnataka	62.88	36
384	Development & evaluation of fish oil - probiotic supplemented composite dressing for chronic wounds	DST-SERB-CRG	Kaur,I., Prof. (F) Panjab University Sector 14 Chandigarh - 160 014 Chandigarh	44.44	36
385	Development of a cell-line based starch bio-factory system by manipulating components of starch regulatory & biosynthetic machinery in tobacco by-2 cells	DST-SERB-CRG	Kapoor,S., Prof. (M) Delhi University South Campus New Delhi - 110 021 Delhi	53.00	36
386	Development of doubled haploids in Soybean (Glycine max (L) Merrill)	DST-SERB-CRG	Rajendran,A., Dr. (F) Scientist ICAR-Indian Agricultural Research Institute Pusa Road New Delhi - 110 012 Delhi	24.87	36
387	Development of Hevea transgenic plants integrated with the Translationally Controlled Tumor Protein (TCTP) gene towards improved vegetative growth & tolerance to Tapping Panel Dryness (TPD) syndrome	DST-SERB-CRG	Radha,J., Dr. (F) Senior Scientist Rubber Research Institute of India P.O. Research Campus Rubber Board Kottayam - 686 010 Kerala	24.16	36
388	Development of hygienic honey bee (Apis Mellifera Linnaeus) lines through selective bee breeding programme	DST-SERB-CRG	Mohindru,B., Dr. (F) Assistant Entomologist Punjab Agricultural University Ferozpur Road Ludhiana - 141 004 Punjab	28.10	36
389	Development of integrated multi-omics database for understanding combined stress tolerance in plants	DST-SERB-CRG	Muthappa,S., Dr. (M) Staff Scientist National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	30.05	36
390	Development of large animal models & polyherbal medicines to treat ovarian cysts in livestock	DST-SERB-CRG	Prasadaraao,H.B., Dr. (M) Scientist E National Institute of Animal Biotechnology Q City Road, Gachibowli Hyderabad - 500 049 Telangana	49.23	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
391	Development of maize hybrids enriched with resistant starch through marker assisted introgression of Ae1 allele & diversification of high amylose maize germplasm	DST-SERB-CRG	Das,A.K., Dr. (M) Scientist ICAR-Indian Institute of Maize Research Old Cotton Research Building New Delhi - 141 004 Delhi	39.64	36
392	Development of molecular methods for detection of antibiotic resistance genes in enteric pathogens from vegetables irrigated with untreated urban sewage	DST-SERB-CRG	Kharat,A.S., Prof. (M) Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	41.93	36
393	Development of novel cytoplasmic male sterility systems in Brassica Oleracea through somatic hybridization	DST-SERB-CRG	Bhatia,R., Dr. (F) Senior Scientist ICAR-Indian Agricultural Research Institute Pusa Road New Delhi - 110 012 Delhi	34.81	36
394	Development of potent inhibitors against drug-resistant EGFR kinase for the treatment of EGFR positive tumors	DST-SERB-CRG	Inampudi,K.K., Dr. (M) Assistant Professor All India Institute of Medical Sciences Ansari Nagar, Sri Aurobindo Marg New Delhi - 110 029 Delhi	39.26	36
395	Dispersal evolution in laboratory populations of drosophila melanogaster under low nutrition conditions	DST-SERB-CRG	Dey,S., Prof. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	49.16	36
396	Dissecting the evolutionary Tug-of-war: Sequence patterns & interaction networks governing the folding-function continuum	DST-SERB-CRG	Naganathan,A.N., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	70.07	36
397	DNA sequence-based molecular systematics of marine microalgae from Indian coast	DST-SERB-CRG	Bast,F., Dr. (M) Assistant Professor Central University of Punjab D-13, Civil Station Bhatinda - 151 001 Punjab	37.57	36
398	Ecological monitoring & GIS mapping of microlepidoptera diversity of Deodar (Cedrus Deodara) forests of Himachal Pradesh	DST-SERB-CRG	Kumar,P., Dr. (M) Scientist D Tropical Forest Research Institute Mandla Road Jabalpur - 482 011 Madhya Pradesh	12.77	36
399	Effect of organo- mineral biochar phosphorus fertilizer on phosphorous availability, utility & yield of pulse crop in low pH Alfisol	DST-SERB-CRG	Pandian,K., Dr. (M) Assistant Professor Tamil Nadu Agricultural University Agricultural College & Research Institute, Thiruchi- Madurai Road Madurai - 628 252 Tamil Nadu	32.17	36
400	Effects of illuminated night environment on metabolism & reproduction in continuously breeding diurnal vertebrate: A study on zebra finches	DST-SERB-CRG	Bhardwaj,S.K., Prof. (M) Ch. Charan Singh University Ramgarhi Meerut - 250 005 Uttar Pradesh	48.63	36
401	Elucidating alterations in epigenetic machinery & 3D genome architecture in p53 deficient/gain of function p53 mutant colon cancer cells	DST-SERB-CRG	Vijayalakshmi,M., Dr. (F) Faculty Scientist Institute of Bioinformatics & Applied Biotechnology Electronics City Phase-1 Bengaluru - 560 100 Karnataka	51.89	36
402	Elucidating the mechanism of interaction of calmodulin with a Sorghum Glycine-rich RNA-binding protein	DST-SERB-CRG	Singh,P., Prof. (M) Guru Nanak Dev University Grand Trunk Road, Off NH 1 Amritsar - 143 005 Punjab	64.06	36
403	Elucidating the molecular mechanisms of Hsp70 & Hsp90 under single molecule resolution	DST-SERB-CRG	Haldar,S., Dr. (M) Assistant Professor Ashoka University Plot No. 2, P.O. Rajiv Gandhi Education City Sonapat - 131 029 Haryana	72.35	36



BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
404	Elucidating the molecular mechanisms of oxidized phospholipids-mediated neuroinflammation & neurodegeneration in Parkinson's disease	DST-SERB-CRG	Calivarathan,L., Dr. (M) Assistant Professor Central University of Tamil Nadu C/o Collectorate Annexe Thiruvavur - 610 001 Tamil Nadu	61.07	36
405	Elucidating the species complex of biting midges culicoides latreille (Diptera: Ceratopogonidae) of veterinary importance using integrative taxonomy	DST-SERB-CRG	Mazumdar,A., Prof. (M) Burdwan University Raiganj Burdwan - 713 101 West Bengal	40.31	36
406	Elucidation of class III CoA-transferases Rv3272 in virulence of Mycobacterium Tuberculosis	DST-SERB-CRG	Venkatesh,J.P., Dr. (M) Sr. Principal Scientist CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension, Sitapur Road Lucknow - 226 031 Uttar Pradesh	42.34	36
407	Elucidation of role of cytosolic chaperone Sse1, Hsp110 of yeast, during ER stress	DST-SERB-CRG	Mapa,K., Dr. (F) Assistant Professor Shiv Nadar University Village Chithera, Tehsil Dadri Greater Noida - 203 207 Uttar Pradesh	43.81	36
408	Elucidation of structural & functional properties of fam118 Cazyme(s) from haloalkaliphilic bacteria: Role in generation of bioactive chitooligosaccharides	DST-SERB-CRG	Madhuprakash,J., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	53.24	36
409	Engineered dendritic polymer nanoparticles for targeting the mitochondria in neurodegenerative diseases	DST-SERB-CRG	Shenoi,R.A., Dr. (M) Senior Scientist Inter University Centre for Biomedical Research & Super Speciality Hospital Mgu Rimsr Campus Rubber Board P.O. Kottayam - 686 009 Kerala	36.49	36
410	Epigenetic basis for thermal stress tolerance in Indian breeds & exotic cross-bred dairy cattle	DST-SERB-CRG	Sajjanar,B.K., Dr. (M) Senior Scientist ICAR-Indian Veterinary Research Institute Izatnagar Bareilly - 243 122 Uttar Pradesh	38.05	36
411	Establishment of 25 hectare forest dynamics plot in Tropical Thorn forest of Peninsular India	DST-SERB-CRG	Udayakumar,M., Dr. (M) Manonmaniam Sundaranar University Abishekapatti Tirunelveli - 627 012 Tamil Nadu	19.60	36
412	Estimation of greenhouse gas fluxes (methane, carbon dioxide & nitrous oxide) from Deepor Beel, a Ramsar wetland site of Assam & identification of associated environmental factors	DST-SERB-CRG	Borah,L., Dr. (F) Assistant Professor Cotton University Panbazar Guwahati - 781 001 Assam	52.18	36
413	Evaluating genes of Artemia in Eucalyptus roots for enhancing salt tolerance	DST-SERB-CRG	Nambiarveetil,M., Dr. (M) Scientist F Institute of Forest Genetics & Tree Breeding P.B. No. 1061, P.O. R.S. Puram Coimbatore - 641 002 Tamil Nadu	34.96	36
414	Evaluation & design of novel synthetic microbial consortia for bioprocessing of rubber & plastic waste to industrial biomolecular	DST-SERB-CRG	Srivastava,T.P., Dr. (F) Associate Professor Indian Institute of Technology (Mandi) Vpo Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	41.51	36
415	Evaluation of antimicrobial nano-zinc oxide-2S albumin protein formulation on HLB infected plants	DST-SERB-CRG	Ghosh,D.K., Dr. (M) Principal Scientist ICAR-Central Citrus Research Institute P.B. No. 464, P.O. Shankar Nagar, Amravati Road Nagpur - 440 033 Maharashtra	45.34	36
416	Evaluation of WISP3 in the context of Progressive Pseudo Rheumatoid Dysplasia (PPRD) using zebra fish as model organism	DST-SERB-CRG	Sen,M., Dr. (F) Principal Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	42.23	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
417	Exploring genetic variation on the control of resistance to diseases in goat breeds of north-western Himalayan region	DST-SERB-CRG	Brahma,B., Dr. (M) Associate Professor Sher-E-Kashmir University of Agriculture Sciences & Technology (Jammu) Chatha Jammu - 180 009 Jammu & Kashmir	49.26	36
418	Exploring seed microbiome of wheat from varied agro-climatic zones to develop synthetic microbials	DST-SERB-CRG	Suman,A., Dr. (F) Principal Scientist ICAR-Indian Agricultural Research Institute Pusa Road New Delhi - 110 012 Delhi	40.64	36
419	Exploring the potential of native aromagnetic organisms in the augmentation of the fragrance of Assam Agarwood by fermentation	DST-SERB-CRG	Sen,S., Dr. (M) Assistant Professor Assam Don Bosco University Tapesia Gardens, Kamarkuchi Sonapur - 781 017 Assam	28.33	36
420	Ex-situ conservation & reintroduction of aenhenrya rotundifolia (Blatt.) Sath. Kumar & F.N. Rasm. - An endangered jewel orchid from the southern western ghats of Tamil Nadu	DST-SERB-CRG	Senthilkumar,T., Dr. (M) Associate Professor Bharathidasan University Mathur, Mandaiyur Tiruchirappalli - 620 024 Tamil Nadu	29.81	36
421	Fabrication of low cost real time gas sensor for early crop pest monitoring & management	DST-SERB-CRG	Vijayakumar,P., Dr. (M) Scientist D Institute of Nano Science & Technology Phase 10, Sector 64 Mohali - 160 047 Punjab	33.02	36
422	Faunal diversity of spider mites (Prostigmata: Tetranychidae) associated with agricultural ecosystems of Kerala	DST-SERB-CRG	Bhaskar,H., Dr. (F) Professor College of Horticulture Vellanikkara Thrissur - 680 656 Kerala	38.33	36
423	Fine mapping, cloning & validation of brown planthopper resistance introgressed from Oryza nivara into O. sativa L	DST-SERB-CRG	Neelam,K., Dr. (F) Assistant Biotechnologist Punjab Agricultural University Ferozpur Road Ludhiana - 141 004 Punjab	48.07	36
424	Floristic studies on ephemeral & herbaceous plants of lateritic plateaus of Ratnagiri District (Maharashtra)	DST-SERB-CRG	Chandore,A.N., Dr. (M) Assistant Professor Abasaheb Marathe Arts & New Commerce Science College Rayat Shikshan Sansthas, Vikhare Gothane, Post Donger Ratnagiri - 416 702 Maharashtra	29.68	36
425	Functional characterization of the novel actin-interacting protein Kaptin & its regulation of cytoskeleton dynamics in neurons	DST-SERB-CRG	Maiti,S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	63.75	36
426	Functional mechanism of CRISPR RNA maturation in an atypical CRISPR-Cas adaptive immune system	DST-SERB-CRG	Anand,B., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	74.49	36
427	Functional regulation of Rab/Arl GTPases in human pigmentation	DST-SERB-CRG	Gangisetty,S., Prof. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	66.32	36
428	Functionality of Methionine Sulfoxide Reductase(s) (MSR) as candidate gene(s) in redox homeostasis-mediated resistance to helicoverpa armigera in pigeonpea wild relative C. platycarpus	DST-SERB-CRG	Sreevathsa,R., Dr. (F) Senior Scientist ICAR-National Institute for Plant Biotechnology Pusa Campus New Delhi - 110 012 Delhi	41.51	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
429	Fungal mimicry of host chemical defense: Plant mediated RNAi-based investigation of rice-blast fungus interaction	DST-SERB-CRG	Patkar,R.N., Dr. (M) Fellow Ahmedabad University Aes Bungalow, 2, Navrangpura Ahmedabad - 380 009 Gujarat	33.14	36
430	Generation & in vivo development of FGF5 disrupted pashmina goat embryos through gene editing technique	DST-SERB-CRG	Shah,R.A., Prof. (M) HOD Sher-E-Kashmir University of Agriculture Sciences & Technology (Srinagar) Shalimar Campus Post Box 262 Srinagar - 191 121 Jammu & Kashmir	57.99	36
431	Genetic & molecular characterization of novel shrub-interacting factors implicated in intracellular signaling pathways using drosophila melanogaster	DST-SERB-CRG	Nagarajan,U., Dr. (F) Assistant Professor SASTRA University Thirumalaismudram Thanjavur - 613 401 Tamil Nadu	51.34	36
432	Genetic diversity of mygalomorph spiders in the western ghats, Kerala using DNA bar-coding	DST-SERB-CRG	Jose,S.K., Dr. (M) Assistant Professor Deva Matha College Kuravilangad, Main Central Road Kottayam - 686 683 Kerala	39.77	36
433	Genome characterization of Fusarium Udm population presents in India & identification of Avr & R gene(s) through host pathogen interaction	DST-SERB-CRG	Sharma,M., Dr. (F) Principal Scientist International Crops Research Institute for the Semi-Arid Tropics Patancheru - 502 234 Andhra Pradesh	33.50	36
434	Genome wide SNP markers associated with fruit traits for developing climate smart mango hybrids using genomic selection	DST-SERB-CRG	Bajpai,A., Dr. (F) Principal Scientist ICAR-Central Institute of Sub-Tropical Horticulture Lucknow - 226 101 Uttar Pradesh	36.56	36
435	Genomic approaches to reduce $\beta$ -ODAP levels in Lathyrus spp	DST-SERB-CRG	Kandoth,P., Dr. (M) Fellow National Agri-Food Biotechnology Institute Sector 81, Sahibzada Ajit Singh Nagar Mohali - 160 071 Punjab	32.69	36
436	Genomics assisted tagging of restorer-of-male-fertility (Ms) locus for hybrid development in short day Indian Onion (Allium cepa L.)	DST-SERB-CRG	Khar,A., Dr. (M) Principal Scientist ICAR-Indian Agricultural Research Institute Pusa Road New Delhi - 110 012 Delhi	35.93	36
437	High-resolution structural descriptions of HflX's interactions with 70s ribosome & ribosomal subunits to decipher its functional role in bacteria under stress	DST-SERB-CRG	Sengupta,J., Dr. (F) Principal Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	39.56	36
438	Hybrid discrete continuum modeling of immune regulation of 2D & 3D tumor spheroid	DST-SERB-CRG	Barik,D., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	44.59	36
439	Identification & characterization of mycobacteriophage proteins with mycobactericidal activities	DST-SERB-CRG	Sen,R., Dr. (M) Head Centre for DNA Fingerprinting & Diagnostics Inner Ring Road, Uppal Hyderabad - 500 001 Telangana	59.37	36
440	Identification of factors responsible for maintenance of X-chromosome inactivation	DST-SERB-CRG	Gayen,S., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	55.28	36
441	Identification of small molecule inhibitors of PF4 & CXCR3 to prevent Dengue & JEV infection in host	DST-SERB-CRG	Guchhait,P., Dr. (M) Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	56.81	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
442	Identification, characterization & optimization of monoclonal antibodies that broadly neutralize entry of HIV-1 subtype C predominantly circulating in India	DST-SERB-CRG	Bhattacharya,J., Dr. (M) Translational Health Science & Technology Institute NCR Biotech Science Cluster, 3rd Milestone, Faridabad - Gurgaon Expressway Faridabad - 122 016 Haryana	55.67	36
443	Identifying transcriptional circuits crucial for cardiac circadian rhythm control	DST-SERB-CRG	Notani,D., Dr. (F) Reader F National Centre for Biological Sciences Tata Institute of Fundamental Research, Bellary Road Bengaluru - 560 065 Karnataka	49.28	36
444	Impact of tryptophan derived bacterial metabolites on metaflammation	DST-SERB-CRG	Chakrabarti,P., Dr. (M) Principal Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road Jadavpur Kolkata - 700 032 West Bengal	56.84	36
445	In union there is strength to sense: Mechanisms of mTORC1 clustering on lysosome for nutrient sensing & their implications in Diabetes probed with super resolution microscopy	DST-SERB-CRG	Mohan,N., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	63.14	36
446	Increasing seed oil content in Indian Mustard (Brassica juncea L.) by de-repressing acetyl CoA carboxylase through silencing of genes encoding for Biotin Attachment Domain Containing (BADC) proteins using the CRISPR/Cas9 system	DST-SERB-CRG	Teotia,S., Dr. (M) Associate Professor Sharda University Gautam Budha Nagar Greater Noida - 201 310 Uttar Pradesh	49.23	36
447	Indian chelonethida: Taxonomy, ecology & phylogeography of pseudoscorpions with special reference to western ghats biodiversity hotspot	DST-SERB-CRG	Mathew,M.J., Dr. (M) Assistant Professor Sacred Heart College Pandit Karuppan Road, Thevara Ernakulam - 682 013 Kerala	40.27	36
448	Influence of melatonin on the immunobiology of dendritic cell: Role of innate immune signals	DST-SERB-CRG	Hira,S.K., Dr. (M) Assistant Professor Burdwan University Rajbati, Raiganj Burdwan - 713 101 West Bengal	52.85	36
449	Integrating collective behaviour with biomechanics of social spider webs	DST-SERB-CRG	Somanathan,H., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	37.70	36
450	Inter-nesting movements & habitat-use of Olive Ridley sea Turtles (Lepidochelys olivacea) along Odisha coast, India	DST-SERB-CRG	Tripathy,B., Dr. (M) Scientist D Zoological Survey of India Prani Vigyan Bhawan, Block M, New Alipore Kolkata - 700 053 West Bengal	29.08	36
451	Interrogating a conserved Somatostatin-like peptidergic signaling system in C. elegans implications for major depressive disorder pathophysiology	DST-SERB-CRG	Bhattacharya,R., Dr. (M) Fellow Amity University Major Arterial Road, Action Area II, Kadampukur Village, Rajarhat Kolkata - 700 156 West Bengal	49.02	36
452	Investigating alterations in gastrointestinal tract physiology of Ip6k1 knockout mice	DST-SERB-CRG	Bhandari,R., Dr. (F) Centre for DNA Fingerprinting & Diagnostics Department of Biotechnology, Inner Ring Road, Uppal Hyderabad - 500 001 Telangana	53.03	36
453	Investigating key roles of cytochrome p450 monooxygenases in triterpene saponin biosynthesis in the medicinal tree Arjuna (Terminalia Arjuna) for sustainable production of cardioprotective phytochemicals	DST-SERB-CRG	Ghosh,S., Dr. (M) Senior Scientist CSIR-Central Institute of Medicinal & Aromatic Plants Lucknow - 226 015 Uttar Pradesh	51.36	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
454	Investigating the role of endobacteria harbored within plant endophyte <i>Rhodotorula mucilainosa</i> JGTA-S1 in a tripartite interaction that improves nitrogen nutrition in rice	DST-SERB-CRG	Seal,A., Dr. (F) Assistant Professor Calcutta University 87/1 College Street Kolkata - 700 073 West Bengal	66.25	36
455	Investigating the role of Gap junctions in the <i>Drosophila</i> circadian pacemaker network	DST-SERB-CRG	Vasu,S., Dr. (F) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	37.91	36
456	Investigating the role of phytophthora palmivora candidate effectors in Bud Rot disease of coconut	DST-SERB-CRG	Antony,G., Dr. (F) Assistant Professor Central University of Kerala Tejaswini Hills, Post Office Periyar Kasaragod - 671 123 Kerala	40.48	36
457	Investigation on identification & biochemical validation of Selenoproteins from <i>Nannochloropsis oceanica</i> CASA CC201 as functional food/feed supplements	DST-SERB-CRG	Muthu,A., Dr. (M) Scientist CSIR-National Institute for Interdisciplinary Science & Technology Post Office Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	34.28	36
458	Investigation on nitric oxide & hydrogen sulfide crosstalk & acquisition of arsenate tolerance in rice seedlings	DST-SERB-CRG	Singh,V.P., Dr. (M) Assistant Professor C.M.P. Degree College George Town Allahabad - 211 002 Uttar Pradesh	36.54	36
459	Lamellipodia, filopodia; Either or both?	DST-SERB-CRG	Majumdar,P., Dr. (M) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	42.91	36
460	Maintenance of bacterial genome integrity: Mechanism of action & regulation of the highly conserved structural maintenance of chromosome protein, RecN	DST-SERB-CRG	Badrinarayanan,A., Dr. (F) Reader F National Centre for Biological Sciences Tata Institute of Fundamental Research, Bellary Road Bengaluru - 560 065 Karnataka	44.86	36
461	Mapping of QTLs for drought tolerance in Mungbean	DST-SERB-CRG	Singh,D., Dr. (M) Principal Scientist ICAR-Indian Agricultural Research Institute Pusa Road New Delhi - 110 012 Delhi	37.57	36
462	Mapping traits influencing phosphorous uptake & utilization efficiency in Mungbean	DST-SERB-CRG	Dikshit,H.K., Dr. (M) Principal Scientist ICAR-Indian Agricultural Research Institute Pusa Road New Delhi - 110 012 Delhi	43.02	36
463	Marker validation & introgression of WBNV resistance from a prebred line of watermelon	DST-SERB-CRG	Eguru,S.R., Dr. (M) Principal Scientist ICAR-Indian Institute of Horticultural Research Hessaraghatta Lake Post Bengaluru - 560 089 Karnataka	21.84	36
464	Mechanisms of impaired IL-1 $\beta$ & antimicrobial peptide expression by multidrug resistant <i>Klebsiella</i> Pneumonia	DST-SERB-CRG	Chakraborty,K., Dr. (M) Fellow CSIR-Institute of Genomics & Integrative Biology Mall Road, Near Jubilee Hall New Delhi - 110 025 Delhi	48.09	36
465	Metabolic engineering of <i>saccharomyces cerevisiae</i> for production of linalool, a food grade flavoring compound	DST-SERB-CRG	Mutturi,S.V., Dr. (M) Scientist CSIR-Central Food Technological Research Institute Cheluvamba Mansion, Devaraja Mohalla, Kajjiahundi Mysore - 570 020 Karnataka	43.27	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
466	Metabolic engineering of Triacylglycerol (TAG) biosynthetic pathway to enhance the nutritional quality of forage sorghum & rumen protection of dietary lipids	DST-SERB-CRG	Bhunia,R.K., Dr. (M) National Agri-Food Biotechnology Institute Sector-81, Knowledge City, S.A.S. Nagar Mohali - 140 308 Punjab	48.50	36
467	Microbiome studies of bread wheat Rhizosphere for improving tolerance against heat & drought stress under changing climate	DST-SERB-CRG	Ahlawat,O.P., Dr. (M) Principal Scientist ICAR-Indian Institute of Wheat & Barley Research Gahoon Vihar Karnal - 132 001 Haryana	34.01	36
468	Mitochondrial carrier proteins in Plasmodium: Examining the essentiality of MPC, DTC & OGC & their role in transport of pyruvate, fumarate & oxoglutarate	DST-SERB-CRG	Balaram,H., Dr. (F) Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	51.34	36
469	Mitochondrial genome variants & maternal inheritance in the pathogenesis of juvenile-onset primary open angle glaucoma	DST-SERB-CRG	Kaur,J., Prof. (F) All India Institute of Medical Sciences Ansari Nagar, Sri Aurobindo Marg New Delhi - 110 029 Delhi	57.73	36
470	Molecular breeding to develop resistance against Anthracnose (fruit rot) in chili	DST-SERB-CRG	Dwivedi,N., Dr. (M) Associate Fellow The Energy & Resources Institute Darbari Seth Block, India Habitat Center, Lodhi Road New Delhi - 110 003 Delhi	61.13	36
471	Molecular characterization & development of peptide based diagnostics for BPI-3 & BRSV	DST-SERB-CRG	Singh,V., Dr. (M) Scientist ICAR-Indian Veterinary Research Institute Izatnagar Bareilly - 243 122 Uttar Pradesh	43.93	36
472	Molecular correlates of metabolic changes during migration in adult male redheaded buntings, Emberiza bruniceps	DST-SERB-CRG	Gupta,N.J., Prof. (F) Associate Professor Ch. Charan Singh University Ramgarhi Meerut - 250 001 Uttar Pradesh	52.90	36
473	Molecular mapping & identification of candidate gene(s) responsible for the Cleistogamous trait in Pigeon Pea Cajanus Cajan Millsp. (L)	DST-SERB-CRG	Gaikwad,K., Dr. (M) Principal Scientist ICAR-National Research Centre on Plant Biotechnology Pusa Campus New Delhi - 110 012 Delhi	37.63	36
474	Molecular mechanism involved in prolactin & dopamine signaling in male reproduction	DST-SERB-CRG	Balasinor,N.H., Dr. (F) Scientist F ICMR-National Institute for Research in Reproductive Health Jehangir Merwanji Street, Parel Mumbai - 400 012 Maharashtra	45.12	36
475	Molecular mechanisms of rice sirtuin actions under stress conditions	DST-SERB-CRG	Dey,S., Dr. (F) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	52.29	36
476	Molecular systematic & taxonomic investigations of heterocytous cyanobacteria from different habitats of India using the Polyphasic approach	DST-SERB-CRG	Singh,P., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	36.29	36
477	Morphological & molecular characterization of the parasitic monogenoids (Platyhelminthes) of exotic ornamental fish in India	DST-SERB-CRG	Tripathi,A., Dr. (M) Assistant Professor Lucknow University Babuganj, Hasanganj Lucknow - 226 007 Uttar Pradesh	54.69	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
478	Musatilling: Construction of a structured high-efficient mutant resource for functional genomics & crop improvement of banana ( <i>Musa spp.</i> )	DST-SERB-CRG	Krishnamurthy,P., Dr. (M) ICAR-National Research Centre for Banana Thogamalai Road, Post Thayanur Tiruchirappalli - 620 001 Tamil Nadu	37.48	36
479	Nanofibre encapsulation of <i>Methylobacterium</i> for Groundnut seed invigouration to improve productivity under rainfed ecosystem	DST-SERB-CRG	Kalimuthu,R., Dr. (M) Assistant Professor Tamil Nadu Agricultural University Lawley Road, Pappanaicken Pudur Coimbatore - 641 003 Tamil Nadu	39.51	36
480	Nanoparticle mediated delivery of <i>acorus calamus</i> rhizome extract: A new insight in the treatment of allergy	DST-SERB-CRG	Ghosh,N., Dr. (F) Assistant Professor Vidyasagar University Rangamati Midnapore - 721 102 West Bengal	40.06	36
481	Nutri-transcriptomics for identification of candidate genes for Iron (Fe) & Zinc (Zn) content in pearl millet [ <i>Pennisetum glaucum</i> (L.) R.Br.]	DST-SERB-CRG	Kudapa,H.B., Dr. (F) Scientist International Crops Research Institute for the Semi-Arid Tropics Patancheru - 502 234 Andhra Pradesh	39.66	36
482	Optimizing cereal productivity under RCP projected climatic scenarios by mid & end of 21st century in Punjab	DST-SERB-CRG	Kaur,P., Dr. (F) Sr. Agrometeorologist Punjab Agricultural University Ferozpur Road Ludhiana - 141 027 Punjab	23.21	36
483	Physiological & molecular basis of drought tolerance in landraces of Foxtail millet ( <i>Setaria Italica</i> L.): Mapping population development, evaluation & QTL identification	DST-SERB-CRG	Akila,C.S., Dr. (M) Assistant Professor Yogi Vemana University Ganganapalle Kadapa - 516 005 Andhra Pradesh	51.89	36
484	Potential utility of bacterial microcompartments at harsh reaction conditions employed in biocatalytic industries	DST-SERB-CRG	Chowdhury,C., Dr. (M) Senior Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	46.21	36
485	Production of Capsaicin from cell suspension cultures of <i>Capsicum Chinese</i> Jacq. In bioreactor & enhancement with elicitors	DST-SERB-CRG	Sanatombi,K., Dr. (F) Assistant Professor Manipur University Canchipur Imphal - 795 003 Manipur	45.84	36
486	QTL mapping of bunch architecture related traits in Grapes ( <i>Vitis Vnifera</i> L.) under Indian conditions	DST-SERB-CRG	Upadhyay,A., Dr. (F) Principal Scientist ICAR-National Research Centre for Grapes Post Box No. 3, P.O. Manjri Farm, Solapur Road Pune - 411 028 Maharashtra	37.94	36
487	Rapid & on-site diagnostic for viruses & viroid infecting apple	DST-SERB-CRG	Maheshwari,Y., Dr. (F) CSIR-Institute of Himalayan Bioresource Technology Post Box No-6 Palampur - 176 061 Himachal Pradesh	26.50	36
488	Rapid development of NGS based SNP markers & marker-assisted selection towards purple blotch resistance in Onion ( <i>Alliums cepa</i> L.)	DST-SERB-CRG	Joshi,R.K., Dr. (M) Associate Professor Rama Devi Women's University P.O. Bhoinagar Bhubaneswar - 751 022 Odisha	42.35	36
489	Regulation of metabolic homeostasis by tRNA modifications	DST-SERB-CRG	Laxman,S., Dr. (M) Assistant Investigator Institute for Stem Cell Biology & Regenerative Medicine National Centre for Biological Sciences, Bellary Road	48.96	36
490	Reproductive biology of selected underutilized tree species of Mizoram, NE-India	DST-SERB-CRG	Kumar,K.S., Dr. (M) Assistant Professor Mizoram University Post Box No. 190 Aizawal - 796 004 Mizoram	32.93	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
491	Reprofiling of molecules for inhibition of aggregation of A-Synuclein in vitro & in cell model of Parkinson's disease	DST-SERB-CRG	Roy,I., Dr. (M) Associate Professor National Institute of Pharmaceutical Education & Research Sector 67, S.A.S. Nagar Mohali - 160 062 Punjab	41.40	36
492	Role of BLM helicase in the repair of DNA double-strand breaks & crossover control	DST-SERB-CRG	Nagaraju,G., Prof. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	73.04	36
493	Role of Caveolins as potential target for neuroprotection in Epilepsy	DST-SERB-CRG	Markandeya,Y.S., Dr. (M) Assistant Professor National Institute of Mental Health & Neuro Sciences Hosur Road, Wilson Garden Bengaluru - 560 029 Karnataka	39.17	36
494	Role of membrane fluctuations & cell mechanics in myogenesis	DST-SERB-CRG	Sinha,B., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia Mohanpur - 741 246 West Bengal	40.72	36
495	Role of NSm phosphorylation in the life cycle & pathogenesis of Groundnut Bud Necrosis Virus	DST-SERB-CRG	Singh,P., Dr. (F) Assistant Professor Mahatma Gandhi Central University East Champaran Motihari - 845 401 Bihar	45.84	36
496	Role of p38 MAP kinase in Buffalopox virus replication	DST-SERB-CRG	Barua,S., Dr. (M) Principal Scientist ICAR-National Research Centre on Equines Sirsa Road Hisar - 125 001 Haryana	41.01	36
497	Screening & profiling of genomic composition of vibrio harveyi-infecting bacteriophages & assessment of its efficacy in field trial condition to prevent vibrio Harveyi infection in tiger shrimps (Penaeus Monodon)	DST-SERB-CRG	Ghosh,K., Dr. (M) Assistant Professor Midnapore City College Kuturia, Bhadutala, Paschim Midnapore - 721 129 West Bengal	34.95	36
498	Search for potential biologically active constituents from the Indian Pitcher plant, Nepenthes khasiana	DST-SERB-CRG	Baby,S., Dr. (M) Principal Scientist Jawaharlal Nehru Tropical Botanic Garden & Research Institute Pacha Palode Thiruvananthapuram - 695 562 Kerala	26.75	36
499	Selection of superior strain from unexplored carrageenophytes for carrageenan production & other value added products in a biorefinery mode	DST-SERB-CRG	Veeraprakasam,V., Dr. (M) Scientist CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar - 364 002 Gujarat	21.66	36
500	Self-titrating inflammation responsive injectable smart nano-formulations for repetitive delivery of DMARD's & corticosteroids against Rheumatoid Arthritis	DST-SERB-CRG	Verma,R.K., Dr. (M) Scientist D Institute of Nano Science & Technology Phase -10, Sector-64 Mohali - 160 047 Punjab	40.52	36
501	Sex determination in the garden lizard, Calotes versicolor: Search for regulators & modifiers	DST-SERB-CRG	Raman,R., Prof. (M) Retired Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	38.00	36
502	Source-sink dynamics in sugarcane - A global transcriptome analysis to decipher factor(s) controls sucrose content in cane stalk/Culm	DST-SERB-CRG	Chandra,A., Dr. (M) Principal Scientist ICAR-Indian Institute of Sugarcane Research Raibareli Road, P.O. Dilkusha Lucknow - 226 002 Uttar Pradesh	30.35	36



BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
503	Structural & biochemical analysis of prokaryotic rhomboid proteases	DST-SERB-CRG	Kuttiragunath,V., Dr. (M) Reader F National Centre for Biological Sciences Tata Institute of Fundamental Research, Bellary Road Bengaluru - 560 065 Karnataka	53.66	36
504	Structural & functional characterization of HtrA protease from <i>Listeria monocytogenes</i> & <i>helicobacter pylori</i>	DST-SERB-CRG	Ponnuraj,K., Prof. (M) Head Madras University University Building, Chepauk Campus,Triplicane Chennai - 600 005 Tamil Nadu	45.20	36
505	Structural & functional characterization of sperm surface glycans & development of novel glycan based fertility biomarker	DST-SERB-CRG	Govindasamy,K., Dr. (M) Principal Scientist ICAR-Research Complex for NEH Region Umroi Road Umiam - 793 103 Meghalaya	35.81	36
506	Structural insights into understanding the molecular mechanism of PlyGRCS endolysin & putative amidase from <i>staphylococcus aureus</i> : Potential biotherapeutic agents against staphylococcal	DST-SERB-CRG	Balasundaram,P., Dr. (M) Professor & Head National Institute of Mental Health & Neuro Sciences Hosur Road, Lakkasandra, Laljinagar, Wilson Garden Bengaluru - 560 029 Karnataka	48.20	36
507	Structural studies on pilus proteins from <i>streptococcus sanguinis</i> , a primary colonizer in oral biofilm development (dental plaque)	DST-SERB-CRG	Krishnan,V., Dr. (M) Associate Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	45.16	36
508	Studies on ankyrin-parasite interactions as a foothold for engineering ankyrins & ankyrin motifs as drug delivery agents	DST-SERB-CRG	Ranganathan,A., Dr. (M) Associate Professor Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	68.79	36
509	Studies on diversity, distribution & morpho-molecular taxonomy of foliicolous hyphomycetous fungi of Peechi-Vazhani Wildlife Sanctuary, Kerala	DST-SERB-CRG	Kumar,S., Dr. (M) Senior Scientist Kerala Forest Research Institute Peechi Thrissur - 680 653 Kerala	26.68	36
510	Studies on isolation, identification, characterization of an anti inflammatory compound & formulation of herbal gel from a mangrove plant species <i>Acanthus ilicifolius</i> L.	DST-SERB-CRG	Ramanathan,T., Dr. (M) Assistant Professor Annamalai University CAS in Marine Biology, Faculty of Marine Sciecnec, Parangipettai Annamalainagar - 608 502 Tamil Nadu	35.38	36
511	Studies on micropropagation of red sandalwood ( <i>Pterocarpus Santalinus</i> L.) through induction of somatic embryogenesis	DST-SERB-CRG	Akhtar,N., Dr. (M) Associate Professor GITAM University Gandhi Nagar, Beach Road Visakhapatnam - 530 045 Andhra Pradesh	29.54	36
512	Studies to identify host factors that are manipulated by Cucumber Mosaic Virus for disease development & spread	DST-SERB-CRG	Hallan,V.K., Dr. (M) Principal Scientist CSIR-Institute of Himalayan Bioresource Technology Post Box No. 6 Palampur - 176 061 Himachal Pradesh	37.44	36
513	Study of catchment topography & land use impact on stream biofilm in Indus basin of Ladakh Himalaya	DST-SERB-CRG	Muslim,M., Dr. (M) Assistant Professor Kashmir University Hazratbal Road Srinagar - 190 006 Jammu & Kashmir	33.33	36
514	Study of COP1-mediated inhibition of precocious seedling establishment under stress conditions	DST-SERB-CRG	Datta,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	48.28	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
515	Study on methylation patterns under drought stress for identification of key genes & microRNAs involved in drought stress tolerance in chickpea	DST-SERB-CRG	Jain,P.K., Dr. (M) Principal Scientist ICAR-National Institute for Plant Biotechnology Pusa Campus New Delhi - 110 012 Delhi	36.11	36
516	Study on the anti-cancer prospects of the coelomic fluid of earthworm	DST-SERB-CRG	Jaabir,M., Dr. (M) Associate Professor National College Dindigul Road Tiruchirappalli - 620 001 Tamil Nadu	34.05	36
517	Systematic & phylogenetic study of Genus Rotala L. (Lythraceae) in India	DST-SERB-CRG	Sardesai,M.M., Dr. (M) Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	42.91	36
518	Systematic studies on pentatominae (Hemiptera: Heteroptera: Pentatomidae) from north east India	DST-SERB-CRG	Santhamma,S., Dr. (F) Scientist ICAR-National Bureau of Agricultural Insects Resources P.Bag No:2491, H.A. Farm, Post Bellary Road Bengaluru - 560 024 Karnataka	35.94	36
519	Targeting Xenoobiotic efflux transporters & cytochrome P450: Exploring a novel approach to mitigate pesticide toxicity	DST-SERB-CRG	Bhattacharjee,S., Dr. (F) Assistant Professor West Bengal State University Barasat Government College Annexe Building, 10, KNC Road Kolkata - 700 124 West Bengal	33.84	36
520	Taxonomic revision & cytological studies of the tribe Maydeae (Poaceae) in India	DST-SERB-CRG	Gosavi,K.V.C., Dr. (M) Assistant Professor Gokhale Education Society's H.P.T. Arts & R.Y.K. Science College Sharanpur Road, Prin.T.A. Kulkarni, Vidya Nagar Nasik - 422 005 Maharashtra	28.99	36
521	Taxonomic revision, chemotaxonomy using fatty acid profiles & molecular phylogeny of the aromatic family Lamiaceae (subfamily Nepetioideae) in India with special reference to the biogeographic origin & relationships of Indian endemic radiations ..	DST-SERB-CRG	Sunojkumar,P., Dr. (M) Assistant Professor Calicut University Korachankandy, Thenhipalam Kozhikode - 673 635 Kerala	32.09	36
522	Taxonomy & Phylogeny of the genus Uraria Desv., (Leguminosae) in India	DST-SERB-CRG	Rana,T.S., Dr. (M) Senior Principal Scientist CSIR-National Botanical Research Institute Post Box No. 436, Rana Pratap Marg Lucknow - 226 001 Uttar Pradesh	30.82	36
523	The drugability of a novel anti-diabetic pancreastatin inhibitor PSTi8: Preclinical pharmacokinetic & drug-drug interaction studies	DST-SERB-CRG	Gayen,J.R., Dr. (M) Sr. Scientist CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension Lucknow - 226 031 Uttar Pradesh	50.43	36
524	The neural basis of communication	DST-SERB-CRG	Rajaraman,K.B., Dr. (F) Associate Professor Ashoka University Plot No. 2, Rajiv Gandhi Education City Sonapat - 131 029 Haryana	39.27	36
525	The role of phytoglobin-nitric oxide cycle in oxygen sensing & plasticity of mitochondrial response to low oxygen stress in plants	DST-SERB-CRG	Kapuganti,J.G., Dr. (M) Staff Scientist V National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	43.23	36
526	To develop potential inhibitor molecules against putative cystine-binding protein from Candidatus Liberibacter asiaticus	DST-SERB-CRG	Sharma,A.K., Prof. (M) Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	47.62	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
527	To understand the non-apoptotic functions of Caspase in Malpighian tubules development of drosophila	DST-SERB-CRG	Tapadia,M.G., Prof. (F) Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	58.81	36
528	Uncovering mechanistic roles for the post-translational modifier Sumo in early drosophila development	DST-SERB-CRG	Ratnaparkhi,G.S., Prof. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	67.06	36
529	Understanding factors contributing to resilience potential of bee species assemblage in intensive agricultural landscape	DST-SERB-CRG	Basu,P., Dr. (M) Professor Calcutta University 87/1, College Street Kolkata - 700 073 West Bengal	31.89	36
530	Understanding genetic diversity of root system architecture & underlying regulatory mechanisms in response to low phosphate in tomato	DST-SERB-CRG	Kumar,R., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	35.29	36
531	Understanding the association between mitochondrial dynamics & tamoxifen resistance in breast cancer cells	DST-SERB-CRG	Lakshmi,B.S., Dr. (F) Associate Professor Anna University Guindy Chennai - 600 025 Tamil Nadu	45.99	36
532	Understanding the interaction of FtsZ with its associated proteins in the initiation of streptococcus Pneumonia cell division	DST-SERB-CRG	Panda,D., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	36.41	36
533	Understanding the mechanism of regulation of gene expression by a novel iron binding transcription factor XibR in xanthomonas	DST-SERB-CRG	Chatterjee,S., Dr. (M) Staff Scientist V Centre for DNA Fingerprinting & Diagnostics Inner Ring Road, Uppal Hyderabad - 500 001 Telangana	51.34	36
534	Understanding the molecular basis of selective transport of silicon & arsenic by modulating Nodulin 26-like Intrinsic protein 2-1 (NIP2-1) in rice (Oryza sativa)	DST-SERB-CRG	Deshmukh,R., Dr. (M) Fellow National Agri-Food Biotechnology Institute Sector 81, Sahibzada Ajit Singh Nagar Mohali - 160 071 Punjab	37.92	36
535	Understanding the molecular basis of SNX27-retromer mediated MT1-MMP cell surface transport during breast cancer metastasis	DST-SERB-CRG	Datta,S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Indore Bypass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	59.51	36
536	Understandng the regulation of fog dependent GPCR signaling in the Drosophila CNS	DST-SERB-CRG	Ratnaparkhi,A., Dr. (F) Scientist E Agharkar Research Institute Gopal Ganesh Agarkar Road Pune - 411 004 Maharashtra	46.90	36
537	Understanding the role of Hsp40s in plasma membrane protein quality control in budding yeast	DST-SERB-CRG	Sahi,C., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	35.30	36
538	Understanding the structure-function relation of the kinetochore & its role in chromosomal dynamics during the cell cycle in Cryptococcus neoformans	DST-SERB-CRG	Sanyal,K., Dr. (M) Professor Jawaharal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	67.10	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
539	Unlocking cryptic & ant quorum sensing natural products of cyanbacteria from stressed habitats in search of novel antibiotics against antimicrobial resistance	DST-SERB-CRG	Rath,J., Dr. (M) Assistant Professor Stage III Visva Bharati University Bolpur Santiniketan - 731 235 West Bengal	46.71	36
540	Unraveling kisspeptin-melatonin circuit on puberty onset in two vertebrate models	DST-SERB-CRG	Pandya,P.K., Dr. (M) Navrachana University Vasna Bhayli Main Road, Bhayli . Vadodara - 391 410 Gujarat	39.84	36
541	Unraveling the candidate genomic regions regulating MYMIV resistance & extra-earliness traits in mungbean using RNA-Seq & genotyping-by-sequencing approaches	DST-SERB-CRG	Mishra,G.P., Dr. (M) Senior Scientist ICAR-Indian Agricultural Research Institute Pusa New Delhi - 110 012 Delhi	39.46	36
542	Unraveling the design principles & the roles of negative auto regulatory & dual feedback motifs in the transcription factor networks	DST-SERB-CRG	Murugan,R., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	8.15	36
543	Unraveling the function of plant FKBP nucleoplasmins through structural studies	DST-SERB-CRG	Vasudevan,D., Dr. (M) Scientist D Institute of Life Sciences Nalco Nagar, Chandrasekharpur Bhubaneswar - 750 023 Odisha	40.07	36
544	Utilization of chickpea germplasm to identify gene(s)/QTL for nodulation through association mapping	DST-SERB-CRG	Kumar,R., Dr. (M) Principal Scientist ICAR-Indian Agricultural Research Institute Pusa Road New Delhi - 110 012 Delhi	24.88	36
545	Vegetation & C N dynamics of the river Ganga Ecetones	DST-SERB-CRG	Raghubanshi,A.S., Dr. (M) Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	30.25	36
546	Characterization of RhoV, an RHO-GTPase, in NSCLC development & treatment	DST-SERB-ECRA	Shukla,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	55.77	36
547	Decoding 6-phosphofructo-2-kinase/fructose-2, 6- biphosphatase 3-mediated altered glucose metabolism in PTEN-deficiency driven Prostate cancer	DST-SERB-ECRA	Mondal,S., Dr. (F) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	55.19	36
548	Development of early & grower friendly diagnostic tools for viral & phytoplasmal diseases in vegetatively propagated marigold to ensure quality & quarantine	DST-SERB-ECRA	Prabha,K., Dr. (F) Scientist Directorate of Floricultural Research College of Agriculture Campus, Shivajinagar Pune - 411 005 Maharashtra	47.13	36
549	Development of microalgae based feed supplement for enhanced bioavailability of essential micronutrients for monogastric animals	DST-SERB-ECRA	Kumar,G., Dr. (M) National Agri-Food Biotechnology Institute Sector 81, Sahibzada Ajit Singh Nagar Mohali - 160 071 Punjab	33.72	36
550	Elucidating the role of Spt5 like protein in transcriptional regulation & associated functions in Toxoplasma Gondii	DST-SERB-ECRA	Mitra,P., Dr. (F) Hyderabad University Hyderabad - 500 046 Telangana	41.62	36
551	Epistasis analysis of APOE in understanding the genetic architecture of Alzheimer's disease: A computational genetics approach	DST-SERB-ECRA	Kahali,B., Dr. (F) Scientist Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	37.44	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
552	Establishment of 3D in vitro culture conditions for maintaining long-term stem cells in sheep Spermatogonial stem cells	DST-SERB-ECRA	Krishnan,B.B., Dr. (F) Scientist ICAR-National Institute of Animal Nutrition & Physiology Hosur Road, Adugodi Bengaluru - 560 030 Karnataka	42.26	36
553	Exploitation of insect gut microbes for biodegradation of gossypol in cottonseed meal	DST-SERB-ECRA	Akbar,S., Dr. (M) Assistant Professor Agricultural Sciences University Krishi Nagar Dharwad - 580 005 Karnataka	32.84	36
554	Exploration of antimicrobial photosensitizers from anoxygenic photosynthetic bacteria	DST-SERB-ECRA	Ramana,V.V., Dr. (M) Senior Scientist CSIR-Institute of Microbial Technology Sector 39A Chandigarh - 160 036 Chandigarh	39.10	36
555	Fundamental elucidation of role of hydrogen peroxide (reactive oxygen species) as signaling molecule for enhanced lipid biosynthesis in microalgae & its application for enhancement of high value metabolites	DST-SERB-ECRA	Shekh,A.Y., Dr. (M) CSIR-Central Food Technological Research Institute Cheluvamba Mansion, Devaraja Mohalla, Kajjihundi Mysore - 570 020 Karnataka	25.36	36
556	Identification of key determinant(s) of immune competence in pigs through proteomic approach	DST-SERB-ECRA	Gali,J.M., Dr. (M) Assistant Professor College of Veterinary Sciences & Animal Husbandary Zangtui To Selesih, Selesih Aizawal - 796 014 Mizoram	51.87	36
557	Investigating the molecular mechanism of impaired regulatory immune response in Inflammatory Bowel Disease (IBD)	DST-SERB-ECRA	Kumar,R., Dr. (F) Senior Scientist CSIR-Institute of Microbial Technology Sector 39A Chandigarh - 160 036 Chandigarh	42.85	36
558	Mesenchymal stem cell mitochondrial transfer effectively protects mutant Leber's Hereditary Optic Neuropathy (LHON) cells from mitochondrial damage: Molecular & epigenetic screening of LHON patients	DST-SERB-ECRA	Subramaniam,M., Dr. (F) Assistant Professor Vision Research Foundation No.18/41, College Road, Nungambakkam Chennai - 600 006 Tamil Nadu	48.10	36
559	Mitochondrial fusion associated with mitophagy & exosomes: A novel biomarker development & therapeutics in breast cancer progression	DST-SERB-ECRA	Kannan,A., Dr. (M) Scientist CSIR-Central Food Technological Research Institute Cheluvamba Mansion, Devaraja Mohalla, Kajjihundi Mysore - 570 020 Karnataka	52.68	36
560	Modulation of A-synuclein amyloid assembly by human chaperone-like proteins	DST-SERB-ECRA	Jain,N., Dr. (F) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 037 Rajasthan	41.00	36
561	Real time assessment of shift of ICA during extended endoscopic skull base surgery using intraoperative Doppler & the role of tumor consistency in causing ICA displacement	DST-SERB-ECRA	Nair,P., Dr. (M) Assistant Professor Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	18.65	36
562	Role of ETS1 transcription factor in metastatic triple negative breast cancer	DST-SERB-ECRA	Sen,N., Dr. (M) Fellow Kalyani University Block C Kalyani - 741 235 West Bengal	42.99	36
563	Role of HOTAIRM1 long non-coding RNA in chemo resistance of acute Myeloid Leukemia	DST-SERB-ECRA	Sharawat,S.K., Dr. (M) Scientist I All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	48.49	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
564	The role of heterochromatin in circadian clock gene regulation in neurospora crassa	DST-SERB-ECRA	Ramakrishnan,M., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Engineering School Junction Berhampur - 760 010 Odisha	32.97	36
565	Three dimensional bio-printing using Decellularized Extracellular Matrix (DECM) as potential bioink for Oesophageal replacement	DST-SERB-ECRA	Vasanthan,K.S., Dr. (F) Assistant Professor II Amity University Sector 125 Noida - 201 303 Uttar Pradesh	48.40	36
566	Transcriptomic analysis of $\mu$ Tumor spheroid derived from single cancer stem cell to identify novel therapeutic targets in breast cancer	DST-SERB-ECRA	Srivastava,A.K., Dr. (M) Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road Jadavpur Kolkata - 700 032 West Bengal	46.49	36
567	Translational of molecular mechanism underlying circulating mitochondrial DNA release during cardiac pathological hypertrophy towards therapy of the myocardium	DST-SERB-ECRA	Rana,S., Dr. (M) Assistant Professor Raja Peary Mohan College P.O. Uttarpara Hoogly - 712 258 West Bengal	56.23	36
568	Understanding the molecular basis of the interaction between stem cell niche & the fate of stem cells	DST-SERB-ECRA	Arya,R., Dr. (F) Fellow Dr. B.R. Ambedkar Centre for Biomedical Research Delhi - 110 007 Delhi	45.91	36
569	Understanding the orchestra: Membrane remodeling & cytoskeleton dynamics	DST-SERB-ECRA	Somlata, Dr. (F) Assistant Professor Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	53.35	36
570	Understanding the translation strategies: Mycobacterium Tuberculosis adopts in dormancy	DST-SERB-ECRA	Kaushal,P.S., Dr. (M) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 004 Haryana	46.33	36
571	A proteomic approach for identification and characterization of new ligninolytic enzymes for improved sugarcane bagasse delignification	DST-SERB-EMEQ	Kasirajan,L., Dr. (F) Senior Scientist ICAR-Sugarcane Breeding Institute Department of Biotechnology, Veerakeralam Coimbatore - 641 007 Tamil Nadu	42.85	36
572	A whole genome based reduced representation approach for identification of seedless phenotype in Banana (Musa Spp.)	DST-SERB-EMEQ	Chelliah,A., Dr. (F) Senior Scientist ICAR-National Research Centre for Banana Thogamalai Road, Thayanur Post Tiruchirappalli - 620 102 Tamil Nadu	41.77	36
573	Analyses of genetic variability and validation of candidate genes for folate (Vitamin B9) accumulation in maize kernel	DST-SERB-EMEQ	Zunjare,R.U., Dr. (M) Scientist ICAR-Indian Agricultural Research Institute Pusa Campus New Delhi - 110 012 Delhi	36.53	36
574	Bactericidal bacteriophages consortium: A novel tool for the biocontrol of oily spot disease of pomegranate	DST-SERB-EMEQ	Gajbiye,M.H., Dr. (M) Associate Professor Tuljaram Chaturchand College of Arts, Science & Commerce Baramati Pune - 413 102 Maharashtra	27.38	36
575	Bioprospecting microbial volatiles for plant growth promotion & sucking pest (Whitefly & Jassids) management in Bt cotton	DST-SERB-EMEQ	Velmourougane,K., Dr. (M) Scientist ICAR-Central Institute for Cotton Research Department of Microbiology, P.Box No.2, P.O. Shankar Nagar Nagpur - 440 010 Maharashtra	52.06	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
576	Characterization of DNA Methyltransferases 3b (Dnmt3b) & its oncogenic variants	DST-SERB-EMEQ	Baluchamy,S., Prof. (M) Pondicherry University Chinna Kalapet Puducherry - 605 014 Puducherry	42.32	36
577	Co-cultivation of microalgae with oleaginous yeast to enhance lipid yield for biofuel production	DST-SERB-EMEQ	Rakesh,S., Dr. (F) Assistant Professor Central University of Tamil Nadu C/o Collectorate Annexe Thiruvavur - 610 001 Tamil Nadu	34.56	36
578	Combinatorial effect of Myc & Glycogen synthetase kinase 3 (Gsk3) modulation in pathogenesis of human neurodegenerative tauopathies in Drosophila disease models	DST-SERB-EMEQ	Sarkar,S., Dr. (M) Assistant Professor Delhi University South Campus New Delhi - 110 021 Delhi	33.64	36
579	Comparative proteomics analysis to identify potent biomarkers during the transformation of premalignant oral conditions to malignant oral squamous cell carcinoma	DST-SERB-EMEQ	Singh,S.B., Dr. (M) Scientist IV All India Institute of Medical Sciences Sri Aurobindo Marg, Ansari Nagar New Delhi - 110 029 Delhi	38.59	36
580	Deterrence of coexistent oral microbial communities against cariogenic virulence factors of streptococcus mutants cell-associated glucosyl-transferases-in-vitro & in-vivo	DST-SERB-EMEQ	Marudhamuthu,M., Dr. (M) Assistant Professor Madurai Kamaraj University Palkalai Nagar Madurai - 625 021 Tamil Nadu	35.16	36
581	Developing chickpea genotypes suitable for mechanical harvesting	DST-SERB-EMEQ	Nayak,V.H., Dr. (M) Scientist Agricultural Sciences University Main Agricultural Research Station Raichur - 584 104 Karnataka	41.54	36
582	Development of improved Indian Common Bean (Phaseolus vulgaris L) lines resistant to anthracnose disease by employing molecular breeding	DST-SERB-EMEQ	Basavaraja,T., Dr. (M) Scientist ICAR-Indian Institute of Pulses Research Kalyanpur Kanpur - 208 017 Uttar Pradesh	35.09	36
583	Development of targeted drug delivery using liposomes/nanoparticles on cancer stem cell using herbal plant extract and Hsp70- tumor antigen and to evaluate its anti-tumor function	DST-SERB-EMEQ	Gautam,P.K., Dr. (M) Assistant Professor All India Institute of Medical Sciences Sri Aurobindo Marg, Ansari Nagar New Delhi - 110 029 Delhi	48.20	36
584	Dietary flavonoid modulated epigenetic & miRNA regulation in triple negative breast cancer	DST-SERB-EMEQ	Gacche,R.N., Prof. (M) Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	40.34	36
585	DNA barcoding of ecologically & economically important Ichthyofauna of river Beas, Himachal Pradesh, India	DST-SERB-EMEQ	Negi,R.K., Dr. (M) Associate Professor Delhi University New Delhi - 110 021 Delhi	36.99	36
586	Effect of citrus root exudates on survival, penetration & development of Tylenchulus semipenetrans & Meloidogyne indicia	DST-SERB-EMEQ	Kommu,K.K., Dr. (M) Scientist ICAR-Central Citrus Research Institute P.B. No. 464, P.O. Shankar Nagar, Amravati Road Nagpur - 440 033 Maharashtra	33.19	36
587	Elucidate the epigenetic pathways in Type 2 Diabetes & its associated nephropathy: A case control study	DST-SERB-EMEQ	Sonkar,G.K., Dr. (M) Associate Professor King George's Medical University Shah Mina Road, Chowk Lucknow - 226 003 Uttar Pradesh	31.55	36
588	Empowerment of tribal women in (Kargil) Ladakh region for strengthening livelihood security through training & demonstration	DST-SERB-EMEQ	Dolkar,D., Dr. (F) Krishi Vigyan Kendra Skuaat-K, Khurbathang Kargil - 194 103 Jammu & Kashmir	19.06	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
589	Enumeration of lichen diversity & screening of lichen extracts for potential antimicrobial activity against phytopathogens: A study from Kokrajhar district of Assam	DST-SERB-EMEQ	Daimari,R., Dr. (F) Assistant Professor Bodoland University Debragaon, P.O. Rangalikhata Kokrajhar - 783 370 Assam	29.90	36
590	Evaluation of role of secretory phospholipase A2 in lung inflammation elicited by organic dust	DST-SERB-EMEQ	Kattepura,D.K., Dr. (M) Assistant Professor Mangalore University Post Graduate Centre, Jnana Kaveri, District Kodagu Mangalore - 571 232 Karnataka	40.24	36
591	Exploring cell surface biomarkers of cattle spermatozoa for sex-specific segregation through proteomic & genomic approach	DST-SERB-EMEQ	Naskar,S., Dr. (M) Senior Scientist ICAR-Indian Institute of Agricultural Biotechnology Garhkhatanga Ranchi - 834 010 Jharkhand	43.96	36
592	Fertilizer management for mitigation of greenhouse gas Nitrous Oxide (N <sub>2</sub> O) emission from rice-wheat cropping system of Jharkhand, eastern India	DST-SERB-EMEQ	Bordoloi,N., Dr. (F) Assistant Professor Central University of Jharkhand Ratu-Lohardaga Road, Brambe Ranchi - 835 205 Jharkhand	39.29	36
593	Functional investigations of an idiosyncratic acinetobacter phosphor-signaling protein in cellular physiology & antimicrobial resistance	DST-SERB-EMEQ	Rajamohan,G., Dr. (M) Sr. Principal Scientist CSIR-Institute of Microbial Technology Sector 39 A Chandigarh - 160 036 Chandigarh	41.95	36
594	Fusarium Spp. Associated with post flowering stalk rot of maize: Ecology, genetic diversity, pathogenicity, pathogenic resistance assessment	DST-SERB-EMEQ	Jambhulkar,P.P., Dr. (M) Associate Professor Rani Lakshmi Bai Central Agricultural University Near Pahuj Dam, Gwalior Road Jhansi - 284 003 Uttar Pradesh	40.43	36
595	Genetic diversity & biochemical profiling of Job's tears (Coix lacryma-jobi L.) accessions from north-east India - implications for evolution & breeding	DST-SERB-EMEQ	Hajong,S., Dr. (F) Scientist ICAR-National Bureau of Plant Genetic Resources Umroi Road, Umiam Shillong - 793 103 Meghalaya	42.27	36
596	Genetic enhancement for improving productivity using anthracnose & powdery mildew resistance in chilli	DST-SERB-EMEQ	Tembhurne,B.V., Dr. (M) Associate Professor Agricultural Sciences University Main Campus on Lingasugur Road Raichur - 584 102 Karnataka	31.98	36
597	Genome wide identification of the Cipk gene family & response to abiotic stress in banana	DST-SERB-EMEQ	Negi,N.P., Dr. (F) Assistant Professor Chandigarh University Gharuan Mohali - 140 413 Punjab	42.73	36
598	Genome-wide identification & characterization of fusion events in different plant species	DST-SERB-EMEQ	Kumar,S., Dr. (M) Scientist National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	33.08	36
599	Hydroponic cultivation of Chlorophytum borivilianum & Tectaria cicutaria to enhance production of secondary metabolites	DST-SERB-EMEQ	Kotkar,H.M., Dr. (F) Assistant Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	23.63	36
600	Identification & characterization of Bt toxin receptors in the sucking pests for designing effective pest control strategy	DST-SERB-EMEQ	Hivrale,V.K., Dr. (F) Professor Dr. Babasaheb Ambedkar Marathwada University Nandanvan Colony Aurangabad - 431 004 Maharashtra	44.38	36
601	Identification & validation of UBE2C inhibitors as potential anti-cancer agents using computer aided drug design & in vitro studies	DST-SERB-EMEQ	Kumar,A., Dr. (M) Assistant Professor Panjab University Sector 14 Chandigarh - 160 014 Chandigarh	46.62	36



BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
602	In vitro gynogenesis for induction of maternal haploids and Doubled Haploids (DHs) in Marigold ( <i>Tagetes erecta</i> L) - a novel approach for accelerated breeding	DST-SERB-EMEQ	Bhatia,R., Dr. (F) Senior Scientist ICAR-Indian Agricultural Research Institute Pusa New Delhi - 110 012 Delhi	36.33	36
603	In-situ & ex-situ conservation of turtles and tortoises of Mizoram using geoinformatics tool: Inventoring, molecular characterization, distribution, ecological niche modeling & conservation of Chelonian in Mizoram	DST-SERB-EMEQ	Das,K.C., Dr. (M) Assistant Professor Pachhunga University College College Veng Aizawal - 796 001 Mizoram	33.45	36
604	Investigating the role of genes in understanding the diversity & adaptive strategies among frogs in the Darjeeling hill region	DST-SERB-EMEQ	Tamang,R., Dr. (M) Assistant Professor Calcutta University 87 /1, College Street Kolkata - 700 073 West Bengal	41.38	36
605	Investigating the structured oligomeric intermediates while aggregation of disulfide bond dissected lysozyme & its inhibition strategy	DST-SERB-EMEQ	Ravi,V.K., Dr. (M) Assistant Professor Aryabhatta Knowledge University Mithapur Farm Area, Mithapur Patna - 800 001 Bihar	36.90	36
606	Investigation of the regulation of novel intronless gene of protein kinase Ck2 $\alpha$ by G protein coupled receptors (Gpcrs) in human lung cancer cells proliferation	DST-SERB-EMEQ	Jacob,T.N., Dr. (M) Assistant Professor Modern College Porompat Imphal - 795 005 Manipur	48.09	36
607	Investigation on metabolites of selected endophytic microorganisms in management of hyperuricemic diseases	DST-SERB-EMEQ	Bodade,R.G., Dr. (F) Assistant Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	34.75	36
608	In vitro micropropagation & enhancement of potent anticancer drug (Camptothecin) using elicitors & hairy root culture in <i>nothopodytes foetida</i> (Wright) sleumer - A threatened medicinal plant	DST-SERB-EMEQ	Dharavath,R., Dr. (F) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	49.67	36
609	Isolation & characterization of microbial endophytes for novel anticancer & antioxidant compounds from <i>Oroxylum indicum</i>	DST-SERB-EMEQ	Gautam,V., Dr. (M) Junior Research Officer Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	46.96	36
610	Isolation, identification & characterization of gut-microbiota from selected economically/agriculturally and ecologically important insect orders	DST-SERB-EMEQ	Lyngdoh,H.G., Dr. (M) Associate Professor & Head St. Anthony's College Bomfyle Road, Lachumiere Shillong - 793 001 Meghalaya	40.60	36
611	Molecular & morphological characterization of freshwater fishes of the subtribe Garra (Teleostei: Cypriniformes) of north east India	DST-SERB-EMEQ	Lalramliana, Dr. (M) Pachhunga University College College Veng Aizawal - 796 001 Mizoram	39.43	36
612	Molecular analyses of phytochrome regulation of starch synthesis & degradation in tomato	DST-SERB-EMEQ	Kharshiing,E.V., Dr. (M) Assistant Professor Stage III St. Edmund's College Laitumkhrah Shillong - 793 003 Meghalaya	43.91	36
613	Molecular diversity & bioprospecting of carotenoids producing haloarchaea in search of novel anti-cancer agents	DST-SERB-EMEQ	Kumavath,R.N., Dr. (M) Sr. Assistant Professor Central University of Kerala Tejaswini Hills, P.O. Periyar Kasaragod - 671 123 Kerala	52.63	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
614	Molecular studies on high fat diet-induced epigenetic changes in experimental Diabetic rats: Therapeutic role of beta sitosterol	DST-SERB-EMEQ	Jayaraman,S., Dr. (M) Assistant Professor Saveetha Institute of Medical & Technical Sciences Post Box No. 6 No. 162, Poonamalle, Velappanchavadi Chennai - 600 095 Tamil Nadu	37.02	36
615	Multigene molecular characterization of Lymnaeid snail species associated with fascioliasis in Meghalaya, northeast India	DST-SERB-EMEQ	Lyngdoh,D., Dr. (M) Assistant Professor St. Anthony's College Bomfyle Road, Lachumiere Shillong - 793 001 Meghalaya	47.18	36
616	Phylogeography & colonization history of Indian Rhesus macaques (Macaca mulatta)	DST-SERB-EMEQ	Bhaskar,R., Dr. (F) Scientist D Zoological Survey of India 130, Santhome High Road Chennai - 600 028 Tamil Nadu	37.19	36
617	Potential application of Genomic in situ hybridization (Gish) to understand the genomic constitution of Saccharin hybrids	DST-SERB-EMEQ	Sobhakumari,V.P., Dr. (F) Principal Scientist ICAR-Sugarcane Breeding Institute Veerakeralam Coimbatore - 641 007 Tamil Nadu	50.26	36
618	Production of Eicosapentaenoic acid (Epa) from marine diatom phaeodactylum tricornutum isolated from the coastal waters Gulf of Manner	DST-SERB-EMEQ	Velu,R., Dr. (F) Assistant Professor Dr. M.G.R. Fisheries College & Research Institute TNFU Campus, Vettar River View Campus Nagapattinam - 611 002 Tamil Nadu	41.86	36
619	Production of functional pickle by probiotic strain isolated from plant based fermented foods	DST-SERB-EMEQ	Ghatani,K., Dr. (F) Assistant Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 430 West Bengal	45.99	36
620	Resource partitioning of three sympatric Ibis species (Red-napped, Black-headed and Glossy) in Udaipur district, Rajasthan: Diet, habitat & landscape selection across seasons	DST-SERB-EMEQ	Koli,V.K., Dr. (M) Assistant Professor Moharlal Sukhadia University Ganeshpura Udaipur - 313 001 Rajasthan	28.83	36
621	Studies on taxonomic & genetic diversity of magnaporthe grisea causing blast disease on small millets across geographical locations in India	DST-SERB-EMEQ	Palanna,K.B., Dr. (F) Junior Pathologist Agricultural Sciences University GKVK Campus, New Airport Road Bengaluru - 560 065 Karnataka	37.50	36
622	Study of target site resistance through Kdr mutation screening in Aedes & Culex mosquitoes from West Bengal, India	DST-SERB-EMEQ	Saha,D., Dr. (M) Associate Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 430 West Bengal	39.95	36
623	Study the metabolome, transcriptome & proteome of Khera Dapini (Premna herbacea), an important medicinal & wild vegetable crop widely used in northeast India	DST-SERB-EMEQ	Ramchiary,N., Dr. (M) Associate Professor Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	42.18	36
624	Sub-Mic antibiotic therapy: Implications for evolution of antibiotic resistance & infectivity in Acinetobacter baumannii	DST-SERB-EMEQ	Kharat,A.S., Prof. (M) Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	52.28	36
625	Taxonomy & phylogeny of the genus Junipers L. (Cupressaceas) in India	DST-SERB-EMEQ	Baleshwar, Dr. (M) Senior Scientist CSIR-National Botanical Research Institute Rana Pratap Marg, Post Box No. 436 Lucknow - 226 001 Uttar Pradesh	34.26	36
626	The role of Fat1 regulated miRNAs in Glioblastoma (Gbm) aggressiveness: Identification of potential miRNA(s) as clinical marker(s) in Gbm patients	DST-SERB-EMEQ	Chosdol,K., Dr. (F) Professor All India Institute of Medical Sciences Sri Aurobindo Marg, Ansari Nagar New Delhi - 110 029 Delhi	45.88	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
627	To study the developmental & transcriptomic responses to salinity gradients for understanding biochemical & genetic basis of salt tolerance in mangroves	DST-SERB-EMEQ	Kumar,A., Dr. (M) Assistant Professor Central University of Kerala Tejaswini Hills, P.O. Periy Kasaragod - 671 123 Kerala	43.74	36
628	Understanding molecular mechanism of fusarium wilt resistance in Lentil (Lens culinaris) through transcriptomes analysis	DST-SERB-EMEQ	Kumar,A., Dr. (M) Assistant Professor & Jr.Scientist Bihar Agricultural University Sabour Bhagalpur - 813 210 Bihar	39.30	36
629	Understanding the spatiotemporal dynamics & ultrastructure details of ECM degrading device Amoebic invadosomes & their crosstalk with Rab Gtpases & cell surface proteases trafficking machinery in E.	DST-SERB-EMEQ	Verma,K., Dr. (M) Assistant Professor Centre for DNA Fingerprinting & Diagnostics Inner Ring Road, Uppal Hyderabad - 500 039 Telangana	38.51	36
630	Unraveling the molecular mechanism of early maturing responsive genes in sugarcane through transcriptome analysis	DST-SERB-EMEQ	Meena,M.R., Dr. (M) Scientist ICAR-Sugarcane Breeding Institute Veerakeralam Coimbatore - 641 007 Tamil Nadu	46.26	36
631	Using capsaicin to target Tgfbeta in premetastatic micro environment: A endeavor to restrict metastasis in combination with doxorubicin in 4t1 cells implanted Murine breast cancer model	DST-SERB-EMEQ	Mandal,D.P., Dr. (M) Assistant Professor West Bengal State University Barasat Government College Annexe Building, 10, KNC Road Kolkata - 700 124 West Bengal	43.64	36
632	Development & validation of phyllosphere microbiome based biostimulant for defense activation against blast disease and abiotic stresses in rice	DST-SERB-IRRD	Kumar,A., Dr. (M) ICAR-Indian Agricultural Research Institute Pusa Campus New Delhi - 110 012 Delhi	29.04	36
633	A comparative analysis of sporadic young onset & late onset rectal cancer from eastern India: miRNA profile of rectal tumours negative for canonical disease markers	DST-SERB-SRG	Basu,S., Dr. (M) Junior Scientist Netaji Subhas Chandra Bose Cancer Hospital 3081, Nayabad Main Road, New Garia, Pancha Sayar Kolkata - 700 094 West Bengal	27.21	24
634	A systematic study of the fungal family entolomataceae (Agaricales, basidiomycota) of Kerala state & Mahe (Ut of Puducherry)	DST-SERB-SRG	Raj,A.K.N., Dr. (M) Assistant Professor Mahatma Gandhi Government Arts College Post Office New Mahe, Chalakkara Puducherry - 673 311 Puducherry	25.19	29
635	Anaerobic ammonia oxidising bacteria (Anammox) as potential source for treating ammonia rich waste: Diversity & technologies	DST-SERB-SRG	Lodha,T.D., Dr. (M) Scientist B National Centre for Cell Sciences Ganeshkhind Pune - 411 007 Maharashtra	24.11	24
636	Big data & machine learning based approach to understand combined stress response signatures in multiple cultivating crop plants	DST-SERB-SRG	Barah,P., Dr. (M) Assistant Professor & Fellow Tezpur University Napaam Tezpur - 784 028 Assam	23.24	26
637	Carbon dots mediated imaging guided & targeted co-delivery of small anticancer molecules & SiRNA for synergistic breast cancer treatment	DST-SERB-SRG	Das,J., Dr. (M) Assistant Professor Mizoram University Tanhri Aizawal - 796 004 Mizoram	25.01	24
638	Comprehensive study on spermatozoa of vechur & crossbred bulls for identifying breed-specific & fertility related biomarkers	DST-SERB-SRG	Aslam,M.M.K., Dr. (M) Assistant Professor Kerala Veterinary & Animal Science University P.O. Lakkidi, Pookode Thruvanvandoor - 673 576 Kerala	28.57	24

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
639	Demystifying the mystery of Stim1 augmentation: Understanding molecular mechanisms controlling expression of Stim1, a novel regulator of Melanoma progression & skin pigmentation	DST-SERB-SRG	Motiani,R.K., Dr. (M) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	30.56	26
640	Design & evaluation of peptide assisted delivery strategy targeting Avβ3 integrin for potential alleviation of atherosclerosis	DST-SERB-SRG	Baishya,R., Dr. (M) Scientist CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	17.39	24
641	Developing methods for tolerance against drought & heat stress in Zea Mays & phaseolus vulgaris grown in Pir Panjal region of Jammu & Kashmir	DST-SERB-SRG	Asgher,M., Dr. (M) Assistant Professor Baba Ghulam Shah Badshah Univrsity Fateh Pur, Rajouri Camp Office, Bypass Road, Himmt Jammu - 180 012 Jammu & Kashmir	32.99	24
642	Development of long non-coding RNA generated at the site of DNA double-strand break as a novel prognostic marker for chemoresistance in breast cancer	DST-SERB-SRG	Sharma,S., Dr. (F) Assistant Professor Postgraduate Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	31.32	24
643	Development of nanomaterial based nano biosensors for clinical diagnostics applications	DST-SERB-SRG	Patel,M.K., Dr. (M) Assistant Professor Pt. Ravishankar Shukla University G.E.Road, Amanaka Raipur - 492 010 Chhattisgarh	27.25	26
644	Development of shrimp anti-Wssv-IgY antibody therapeutics (Wssv-IgY-T) from immunoglobulin Y (IgY) using Wssv antigens & synthetic peptides & their commercial applications in aquaculture industries	DST-SERB-SRG	Puthumana,J., Dr. (M) Assistant Professor Cochin University of Science & Technology Thrikkakara, South Kalamassery Kochi - 682 022 Kerala	27.95	27
645	Development of therapeutic peptides for blocking interactions between Hepatitis B virus & host cellular proteins related with regulatory signaling pathways in hepatocellular carcinoma: A proteomic approach deciphering host-pathogen protein interactive ..	DST-SERB-SRG	Biswas,A., Dr. (M) Senior Scientific Officer Grade 2 Chittaranjan National Cancer Institute 37, S.P. Mukherjee Road Kolkata - 700 026 West Bengal	28.81	24
646	Dissecting the role of somatic polyploidy in the regulation of gene expression associated with liver disease	DST-SERB-SRG	Gupta,I., Prof. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	28.71	24
647	Electrical cell-substrate impedance sensing for monitoring anti-oxidant & anti-inflammatory effect of semisynthetic nanomaterial in cells-on-a-chip	DST-SERB-SRG	Veerapandian,M., Dr. (M) Scientist & Assistant Professor CSIR-Central Electrochemical Research Institute College Road Karaikudi - 600 113 Tamil Nadu	24.24	24
648	Electroactive haloalkaliphiles: Enrichment & characterization of electrochemically active microorganisms from the extreme saline-alkaline habitat	DST-SERB-SRG	Patil,S.A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	32.28	27
649	Elucidating the role of circular RNAs in response to drought in tomato	DST-SERB-SRG	Aldrin,S., Dr. (M) Assistant Professor SASTRA University Department of Research, Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	29.81	24
650	Elucidation of molecular mechanisms involved in the therapeutic action of Soluble epoxy hydrolase inhibitor (Sehi) in metabolic syndrome	DST-SERB-SRG	Paliwal,S., Dr. (F) Assistant Professor Banasthali Vidyapeeth Banasthali - 304 022 Rajasthan	32.57	24

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
651	Enabling scale-up of somatic embryogenesis production in bioreactor for crinum malabaricum: An important source of anti-Alzheimer drug	DST-SERB-SRG	Kumar,V., Dr. (M) Assistant Professor Lovely Professional University Jalandhar - Delhi Grand Trunk Road Phagwara - 144 001 Punjab	16.65	27
652	Endoplasmic reticulum stress response in orchestrating mucosal immune response: Exploring novel therapeutic intervention for inflammatory bowel disease	DST-SERB-SRG	Lahiri,A., Dr. (M) Senior Scientist CSIR-Central Drug Research Institute Sector-10, Jankipuram Extension, Sitapur Road Lucknow - 226 031 Uttar Pradesh	28.18	27
653	Establishing the oral cancer tissue organoid/sphere (Octos) system to envisage the sequence of events in drug resistant tumors: An armamentarium of drug discovery	DST-SERB-SRG	Andugulapati,S.B., Dr. (M) Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	22.20	24
654	Experimental validation of pre-identified candidate genes regulating protein storage in chickpea seeds	DST-SERB-SRG	Bandyopadhyay,K., Dr. (M) Assistant Professor Amity University Amity Education Valley, Panchgaon, Manesar Gurgaon - 122 412 Haryana	32.00	27
655	Exploration of molecular dynamics of epitranscriptomics in B-cell malignancies	DST-SERB-SRG	Giri,P.K., Dr. (M) Assistant Professor South Asian University Akbar Bhawan, Chanakyapuri New Delhi - 110 021 Delhi	32.84	24
656	Explore the functional role of heterotrimeric G-protein signalling in desiccation tolerant lower group of the land plant	DST-SERB-SRG	Roychoudhury,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	32.60	26
657	Fabrication of synthetic & biological material based 3d uterine myometrial tissue patches	DST-SERB-SRG	Nune,M., Dr. (F) Assistant Professor Manipal Institute of Regenerative Medicine Bellary Road, Allalasandra, Yelahanka Bengaluru - 560 071 Karnataka	29.61	26
658	Fine mapping of the chromatin structure of key genes involved in reproductive maturation & egg production in dengue vector mosquito, aedes aegypti	DST-SERB-SRG	Saha,T.T., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH 17b Bypass Road, Sancoale Zuarinagar - 403 726 Goa	31.59	27
659	Functional characterization of noval secreted effectors in magnaporthe oryzae	DST-SERB-SRG	Sabnam,N., Dr. (F) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	26.42	26
660	Gedunin-Zno nanoparticle-incorporated poly-L-Lactic acid electrospun nanofibrous scaffold for controlled drug delivery using a three-dimensional hepatosphere model	DST-SERB-SRG	Bishi,D.K., Dr. (M) Assistant Professor Rama Devi Women's University P.O. Bhoinagar Bhubaneswar - 751 022 Odisha	30.47	27
661	Genetic & physiological architecture of weed competitive ability in Iranian wheat landraces	DST-SERB-SRG	Kaur,P., Dr. (F) Assistant Biochemist Punjab Agricultural University Ferozpur Road Ludhiana - 141 027 Punjab	21.26	27
662	Genetic diversity of nontuberculous mycobacteria in central India: Rapid identification & differentiation of mycobacterium species by Pcr-restriction enzyme analysis-Hsp6 gene & 16s-23s its region of RDNA	DST-SERB-SRG	Maurya,A.K., Dr. (M) Assistant Professor All India Institute of Medical Sciences Saket Nagar Bhopal - 462 020 Madhya Pradesh	31.68	27

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
663	Genetic engineering approach to increase storage lipid synthesis in rice leaves for sustainable biofuel production	DST-SERB-SRG	Bhattacharya,S., Dr. (M) Assistant Professor Amity University Major Arterial Road, Action Area II, Kadampukur Village, Rajarhat Kolkata - 700 135 West Bengal	22.44	27
664	Genome-wide analysis of Autophagy-related genes (Atg) in Gossypium hirsutum (L.) & study of the role of autophagy in cotton fiber development	DST-SERB-SRG	Singh,S.P., Dr. (M) Assistant Professor Dayanand Anglo-Vedic(P.G.) College Civil Lines Kanpur - 208 001 Uttar Pradesh	28.83	24
665	Genome-wide identification & characterization of transfer RNA derived fragments (Trfs) in chickpea	DST-SERB-SRG	Kumar,S., Dr. (M) Scientist National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	32.50	24
666	High frequency in-vitro propagation of porteresia coarctata & analysis of polyamine content under salinity stress	DST-SERB-SRG	Bhattacharya,S., Dr. (M) Assistant Professor Techno India University 384, Em-4, Sector-V, Salt Lake Kolkata - 700 091 West Bengal	19.34	24
667	Identification & characterization of E3 enzymes responsible for phospho-ubiquitin chains & small-molecules screening against Pink1	DST-SERB-SRG	Kumar,A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	30.90	24
668	Identification & functional characterization of combined drought & heat stress-responsive transcription factors in Arabidopsis Thaliana	DST-SERB-SRG	Allu,A., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	27.45	24
669	Identification of genetic architecture, generating natural variation in antihypertensive & antineoplastic monoterpenoid indole alkaloids production in catharanthus roseus via Metabolome-genome wide association studies (Mgwas)	DST-SERB-SRG	Sharma,A., Dr. (M) Assistant Professor U.K.A. Tarsadia University Maliba Campus, Gopal Vidyanagar, Baroli-Mahuva Road Surat - 394 350 Gujarat	26.11	25
670	Identification of latency associated genes as potential targets for the treatment of Tuberculosis	DST-SERB-SRG	Peddireddy,V., Dr. (F) Assistant Professor GITAM University Gandhi Nagar, Beach Road, Rushikonda Visakhapatnam - 530 045 Andhra Pradesh	32.26	27
671	Identification of molecular players underlying tuberization in potato under elevated ambient temperature	DST-SERB-SRG	Govind,G., Dr. (F) Assistant Professor Agricultural Sciences University Hassan Bengaluru - 560 065 Karnataka	30.91	24
672	Identification of novel interacting partners of Bromodomain & Phd finger (Brpf) proteins & investigating their role in various types of cancer	DST-SERB-SRG	Sudhamalla,B., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	32.78	24
673	Identifying role of betel quid extract in sustaining cancer stem cell: A potential target for therapeutic resistance in oral cancer	DST-SERB-SRG	Mishra,R., Dr. (M) Assistant Professor Manipal University Vatika Infotech City, Post Thikaria Jaipur - 303 007 Rajasthan	32.98	24
674	Identifying the potential role of angiotensin receptor blockers in sarcopenia of aging & disuse muscle atrophy	DST-SERB-SRG	Kushwaha,S., Dr. (F) Assistant Professor National Institute of Pharmaceutical Education & Research Bijnor-Sisendi Road, Sarojini Nagar Lucknow - 226 301 Uttar Pradesh	30.20	24

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
675	Improvement of biomethanation in anaerobic digesters in cold regions with interventions of anaerobic psychrotrophic bacteria	DST-SERB-SRG	Kumar,R., Dr. (M) Scientist CSIR-Institute of Himalayan Bioresource Technology Post Box No-6 Palampur - 176 061 Himachal Pradesh	29.66	24
676	In search of novel antidiabetic lead from <i>Asparagus racemosus</i> willd: A Sikkim & Darjeeling Himalayan regional medicinal plant	DST-SERB-SRG	Sahu,R., Dr. (M) Assistant Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 014 West Bengal	28.30	24
677	Investigation into the role of bacterial two-component signaling systems in the development of resistance to polymyxins, the last resort antibiotics	DST-SERB-SRG	Mohapatra,S.S., Dr. (M) Assistant Professor Khallikote University Temp. Campus: Gmax Building, Konisi Berhampur - 761 008 Odisha	30.40	24
678	Investigation on the role of mitochondria in Arginyltransferase 1 (Ate1) mediated apoptotic cell death	DST-SERB-SRG	Kumar,A., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	31.37	24
679	Mapping of neck blast disease resistance genes in rice through next generation sequencing	DST-SERB-SRG	Mahesh,H.B., Dr. (M) Assistant Professor Agricultural Sciences University GKVK Campus, New Airport Road Bengaluru - 560 065 Karnataka	32.97	24
680	Microbiome analysis & their application for pesticide biodegradation & plant growth promotion in subtropical horticultural crops	DST-SERB-SRG	Kumar,G., Dr. (M) Scientist ICAR-Central Institute of Sub-Tropical Horticulture Lucknow - 226 101 Uttar Pradesh	27.92	27
681	Mitigating the impact of antifungal resistance in the emerging pathogen <i>Candida auris</i> by piggybacking its peptide permease as an antifungal delivery system	DST-SERB-SRG	Banerjee,A., Dr. (M) Assistant Professor Amity University Amity Education Valley, Panchgaon, Manesar Gurgaon - 122 412 Haryana	32.32	27
682	Mitochondrial genome assembly, analysis & development of molecular markers for Cytoplasmic male sterility (Cms) gene in tropical onion	DST-SERB-SRG	Deepak, Dr. (M) Assistant Bioinformatician Punjab Agricultural University Ferozpur Road Ludhiana - 141 027 Punjab	29.40	27
683	Modulation of folliculogenesis to augment prolificacy through dietary N-3 polyunsaturated fatty acids in sheep	DST-SERB-SRG	Mahla,A.S., Dr. (M) Scientist ICAR-Central Sheep & Wool Research Institute Avikanagar Tonk - 304 501 Rajasthan	32.38	24
684	Molecular characterization of flavonol biosynthesis in banana: Towards development of flavonol enriched banana	DST-SERB-SRG	Pandey,A., Dr. (M) Staff Scientist II National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	29.96	24
685	Novel milk exosomes for the combination therapy by using selected natural medicine (Paclitaxel & Colchicine) for the efficient management of breast cancer	DST-SERB-SRG	Agrawal,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	31.38	27
686	Role of polyampholyte & polyelectrolyte polypeptide segments in modulating protein expression homeostasis & functionality of intrinsically disordered proteins	DST-SERB-SRG	Chavali,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	33.03	24
687	Role of tetraspanin5 in Amyloid precursor protein (App) processing: Implications in Alzheimer's disease	DST-SERB-SRG	Tammineni,P., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	24.84	24

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
688	Single molecule imaging of Mhc class ii protein mediated Bat Influenza virus entry into mammalian cell	DST-SERB-SRG	Das,D.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	33.08	24
689	Smooth-coated otter as an ecological indicator of Riparian habitat ecosystem	DST-SERB-SRG	Ramesh,R., Dr. (F) Scientist Salim Ali Centre for Ornithology & Natural History Kalayampalayam Coimbatore - 641 010 Tamil Nadu	18.47	24
690	Studies on ligand 'binding', 'gating' & 'allostery' in heteropentameric neuronal nicotinic acetylcholine receptors	DST-SERB-SRG	Nayak,T.K., Prof. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	27.39	27
691	Suicidal gene therapy using engineered secretory carboxylesterase-2/ camptothecin-11 targeting chemoresistant ovarian serous adenocarcinoma	DST-SERB-SRG	Sarkar,S., Dr. (M) Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	30.29	24
692	Temporal profiling of mRNA binding proteins to understand circadian regulation of translation in marine phytoplankton	DST-SERB-SRG	Roy,S., Dr. (M) Assistant Professor Ashoka University Plot No. 2, Rajiv Gandhi Education City, P.O. Rai Sonapat - 131 029 Haryana	27.43	29
693	The intervention of phytohormone to reduce arsenic accumulation in rice grains	DST-SERB-SRG	Mohan,T., Dr. (M) Assistant Professor J.S.S. University J.S.S. Medical Institutions Campus Mysore - 570 007 Karnataka	22.89	27
694	Theoretical biophysics of molecular competition in gene expressions	DST-SERB-SRG	Das,D., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	28.96	24
695	Understanding mechanism underlying plant invasion & survival by B. Cinerea using temporal secretome mining approach	DST-SERB-SRG	Adlakha,N., Dr. (F) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	27.03	24
696	Understanding the functional role of vacuolar atpases in trogocytosis & tissue invasion mediated by entamoeba histolytica	DST-SERB-SRG	Verma,K., Dr. (M) Assistant Professor Centre for DNA Fingerprinting & Diagnostics Inner Ring Road, Uppal Hyderabad - 500 039 Telangana	29.92	29
697	Understanding the genetic interactions of Parkin & $\alpha$ -synuclein affecting pathogenesis of Parkinson's disease	DST-SERB-SRG	Tare,M., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	22.55	27
698	Understanding the mechanism of genome packaging & translocation in small plant viruses	DST-SERB-SRG	Ranjan,T., Dr. (M) Assitt. Professor & Cum Jr. Scientist Bihar Agricultural University Bhagalpur Sabour - 813 210 Bihar	31.58	26
699	Understanding the molecular mechanisms of growth promotion and salinity tolerance conferred by Pha, an endophytic bacterium on non-native host plants using transcriptomics	DST-SERB-SRG	Koppolu,R.K., Dr. (M) Assistant Professor Indira Gandhi National Tribal University Kapil Dhara Road, Mekal Sadan, District Anuppur Amarkantak - 484 886 Madhya Pradesh	29.15	27
700	Unravelling the role of Light-response bric-a-brack/tramtrack/broad (Lrb) E3 ubiquitin ligases in temperature-mediated regulation of growth & reproduction in Arabidopsis Thaliana	DST-SERB-SRG	Gangappa,S.N., Dr. (M) Assistant Professor Grade 1 Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	27.37	36



BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
701	Understanding the RNA - mediated phenotypic switch in <i>Staphylococcus aureus</i>	DST-SUPRA	Gopal,B., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	87.17	36
702	Development of fresh water pearl culture unit based on IoT - data analytics	DST-SYST	Singh,M., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Department of Computer Science & Engineering, Melakottaiyur, Kancheepuram Chennai - 600 127 Tamil Nadu	16.40	36
703	Climate based malaria epidemiology forecasting model for northeast region of India	DST-TFAR	Murty,U.S.N., Dr. (M) Director National Institute of Pharmaceutical Education & Research Guwahati - 781 101 Assam	170.26	36
704	Creation & analysis of big-data eplemiology datasets for malaria, oncology & tuberculosis	DST-TFAR	Lynn,A.M., Prof. (M) Jawaharlal Nehru University New Delhi - 110 067 Delhi	39.64	36
705	Developing a system view of health challenges in India	DST-TFAR	Aggrawal,A., Prof. (M) Director CSIR-Institute of Genomics & Integrative Biology New Delhi - 110 025 Delhi	499.12	36
706	Epidemiological modelling & analysis for leishmaniasis	DST-TFAR	Sarkar,R.R., Dr. (M) Principal Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	41.34	36
707	Integrating & mining existing databases in Maternal & Child Health (MCH) & Genatric Health (GH)	DST-TFAR	Pant,R., Dr. (F) Biostatistician Medicity Institute of Medical Science Share India, Medchal Mandal. Ghanpur Hyderabad - 501 401 Telangana	43.89	36
708	Spatial epidemiological modelling of dengue in endemic & non-endemic foci using Geospatial technologies	DST-TFAR	Paul,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	44.69	36
709	Sequential production of bio fuel, glycerol, & protein using pre-tanned leather solid waste	DST-WMT	Shanmugam,P., Dr. (M) Sr. Principal Scientist CSIR-Central Leather Research Institute Adyar Chennai - 600 020 Tamil Nadu	77.37	36
710	A multi-gene sequence-based phylogenetic study & DNA barcoding of hygrocye & allied genera (gilled mushrooms) of Kerala	DST-WOS-A	Kuravi,V.R.N.S.D., Ms. (F) CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	19.30	36
711	Arsenite oxidation by soil fungi: A detoxification mechanism for arsenic mycoremediation	DST-WOS-A	Srivastava,A., Dr. (F) CSIR-National Botanical Research Institute Lucknow - 226 001 Uttar Pradesh	28.30	36
712	Bioprospecting polygonatum verticillatum (L.) All Through advanced tissue culture techniques	DST-WOS-A	Qadir,J., Ms. (F) Kashmir University Hazratbal Srinagar - 190 006 Jammu & Kashmir	21.90	36
713	Bioremediation of eutrophicated waters of Dal Lake using biofilms	DST-WOS-A	Zaffar,M.R., Ms. (F) Kashmir University Srinagar - 190 006 Jammu & Kashmir	21.80	36
714	Clinical, biochemical & molecular characterization of BTD gene & development of point of care test for screening biotinidase deficiency in Indian children	DST-WOS-A	Didwal,G., Ms. (F) Postgraduate Institute of Medical Education & Research Sector-12 Chandigarh - 160 012 Chandigarh	21.15	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
715	Development of entophytic bacterial formulation for fungal disease management of gladiolus	DST-WOS-A	Shukla,D., Dr. (F) CSIR-National Botanical Research Institute Lucknow - 226 001 Uttar Pradesh	29.80	36
716	Dissecting the role of PIWI-like proteins in Ephrin receptor endocytosis & trafficking in neuronal cells	DST-WOS-A	Roy,R.A., Ms. (F) Pondicherry University Kalapet - 605 014 Puducherry	22.33	36
717	Elucidating the effect of estrogen receptor-beta agonist on gliomas: A proteomics approach	DST-WOS-A	Sunder,B., Dr. (F) Sophia College for Women Bhulabhai Desai Road Mumbai - 400 026 Maharashtra	36.82	36
718	Evaluation of probiotic bacillus isolated from fermented soybean for anti-osteoporotic attributes against postmenopausal osteoporosis	DST-WOS-A	Huidrom,S., Dr. (F) Shri Guru Ram Rai Institute of Medical & Health Sciences Dehradun - 248 001 Uttarakhand	27.55	36
719	Exploring biological nitrogen fixation system in rice	DST-WOS-A	Nag,P., Dr. (F) Bose Institute Kolkata - 700 054 West Bengal	29.36	36
720	Functional genomics of ANK3 implicated in celiac disease	DST-WOS-A	Sharma,N., Ms. (F) Central University of Punjab Mansa Road Bhatinda - 151 001 Punjab	25.13	36
721	Identification & characterization of Baculovirus encoded miRNAs & evaluating their expression in plant to control predation by Helicoverpa armigera	DST-WOS-A	Agrawal,A., Dr. (F) ICAR-National Bureau of Agricultural Insects Resources Bengaluru - 560 024 Karnataka	28.74	36
722	Identification of novel salt responsive miRNAs to explore miRNA - mediated regulatory pathway for salt stress response in mungbean	DST-WOS-A	Rani,B., Dr. (F) Dr. Rajendra Prasad Central Agriculture University Pusa Samastipur - 848 125 Bihar	30.93	36
723	Implications of folic acid supplementation during chemically induced cutaneous squamous cell carcinoma in mice: Mechanistic studies on folate dependent processes	DST-WOS-A	Chugh,N.A., Dr. (F) Panjab University Chandigarh - 160 014 Chandigarh	29.64	36
724	In vivo imaging & tracking of magnetic nanoparticles labeled stem cells using dual modalities	DST-WOS-A	Shelat,R.N., Ms. (F) Narsee Monjee Institute of Management Studies SVKMs, Vile Parle Mumbai - 400 056 Maharashtra	21.55	36
725	Inferring regulatory role of LncRNA associated with Prostate cancer subjects	DST-WOS-A	Shukla,N., Ms. (F) Birla Institute of Scientific Research Statue Circle Jaipur - 302 001 Rajasthan	27.75	36
726	Investigating sexually dimorphic function of the X-inactivation escape gene Smcx/Kdm5c	DST-WOS-A	Bammidi,L.S., Dr. (F) Indian Institute of Science Bengaluru - 560 012 Karnataka	32.39	36
727	Investigating the effect of osmolytes on the self-association & substrate interaction of acid stress chaperones responsible for the survival of Enterohaemorrhagic E. coli in mammalian stomach	DST-WOS-A	Thapliyal,C., Dr. (F) Jawaharlal Nehru University Aruna Asaf Ali Road New Delhi - 110 067 Delhi	32.10	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
728	Investigation of the importance of SUMOylation pathway in the pathogenesis of <i>C. glabrata</i>	DST-WOS-A	Shukla,R., Dr. (F) Hyderabad University Hyderabad - 500 046 Telangana	36.70	36
729	Metabolic engineering for generation of a robust <i>E. coli</i> strain for fatty acid synthesis by employing a bi-directional approach	DST-WOS-A	Harinder,D., Dr. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	27.90	36
730	Microbial (Actinomycetes & Mycorrhizal fungi) phosphorus solubilization in chickpea as a potential biosource for sustainable agriculture	DST-WOS-A	Singh,B., Dr. (F) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	26.66	36
731	Molecular insights on regulation of mesenchymal stem cell differentiation by mta1 & butyrate to enhance tissue neovascularization and osteogenesis	DST-WOS-A	Ramachandran,K., Dr. (F) Mysore University Mysore - 570 006 Karnataka	32.80	36
732	Molecular interaction of cryptocaryon irritants with mucosal, humoral & cellular components of selected marine cultured/aquarium teleost fishes of Kerala	DST-WOS-A	Josepriya,T.A., Dr. (F) Central University of Kerala Kasaragod - 671 314 Kerala	31.89	36
733	Morphological & molecular identification of GIT parasites of Hangul deer ( <i>Cervus hanglu</i> Hanglu) in Dachigam National Park of Kashmir Valley	DST-WOS-A	Bhat,N.K., Ms. (F) Kashmir University Srinagar - 190 006 Jammu & Kashmir	28.80	36
734	Neonatal exposure to estrogen & its effects on adult mouse prostate stem cell biology	DST-WOS-A	Chopra,R.K., Dr. (F) ICMR-National Institute for Research in Reproductive Health Parel Mumbai - 400 012 Maharashtra	36.78	36
735	Phylogenetic & functional characterization of pesticide/herbicide tolerant tea rhizobacteria of tea estates prevalent in Assam for development of bio-formulation towards growth & disease suppressi	DST-WOS-A	Das,R., Ms. (F) Institute of Advanced Study in Science & Technology Guwahati - 781 035 Assam	21.36	36
736	Reducing pathogenic damages in betelvine (Piper beetle) using ACC deaminase containing microbes	DST-WOS-A	Mishra,N., Ms. (F) CSIR-National Botanical Research Institute Rana Pratap Marg Lucknow - 226 001 Uttar Pradesh	21.90	36
737	Removal of organic & inorganic toxins from electronic waste using isolated bacterial species & competent phytoremediators	DST-WOS-A	Guin,S.D., Dr. (F) National Institute of Technology (Kurukshetra) Kurukshetra - 136 119 Haryana	28.57	36
738	Role of biocides in triggering antibiotic cross resistance	DST-WOS-A	Sukhi,S.S., Dr. (F) Savitribai Phule Pune University Pune - 411 007 Maharashtra	36.86	36
739	Role of plant species in shaping rhizospheric microbial communities in core areas of Sundarbans & analysis of their biotechnological potential	DST-WOS-A	Dey,S., Dr. (F) Indian Statistical Institute 203, B.T. Road Kolkata - 700 108 West Bengal	32.07	36
740	Role of vacuolar functions in antifungal activity of fludioxonil & virulence of pathogenic fungi	DST-WOS-A	Sharma,A., Dr. (F) CSIR-Institute of Microbial Technology Sector-39A Chandigarh - 160 036 Chandigarh	33.27	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
741	Therapeutic efficacy of topical formulation of Photo System I (PSI) delivered through novel targeted nano-liposomes against cutaneous Leishmaniasis & PKDL	DST-WOS-A	Pal,A., Dr. (F) CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	30.55	36
742	TNF alpha mediated alternative splicing in Type 2 Diabetes; a genome wide approach	DST-WOS-A	Louis,J.M., Ms. (F) Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus Vasco-da-Gama - 403 726 Goa	20.68	36
743	Understanding the mechanism of buparvaquone resistance in apicomplexan parasite theileria annulata	DST-WOS-A	Nori,S., Ms. (F) National Institute of Animal Biotechnology Hyderabad - 500 032 Telangana	29.70	36
744	Validation of traditional medicinal knowledge for anti-sickling potential of some medicinal plants of Amarkantak region	DST-WOS-A	Mishra,S., Ms. (F) Indira Gandhi National Tribal University Amarkantak - 484 887 Madhya Pradesh	17.85	36
745	Generation of bio-efficacy & toxicological data for commercialization of the bioformation CSR-Fusicont towards the management of banana wilt caused by Fusarium oxysporum f.sp. Cubense tropical Race 4	ICAR-HORTSC	Thukkaram,D., Dr. (M) Principal Scientist ICAR-Central Soil Salinity Research Institute Regional Research Station Lucknow - 226 002 Uttar Pradesh	62.40	24
746	Integrated management of Fusarium wilt-tropical race 4: A devastating strain of banana'	ICAR-HORTSC	Thangavelu,R., Dr. (M) Principal Scientist ICAR-National Research Centre for Banana Tiruchirappalli - 620 102 Tamil Nadu	62.18	24
747	Delaying programmed cell death of beneficial gut bacteria in microgravity using oxide and complex nanoparticles	ISRO-RESPOND	Goswami,A., Prof. (M) Indian Statistical Institute 203, B.T. Road Kolkata - 700 108 West Bengal	34.63	36
748	Effects of altered gravity on gene expression of human blood mononuclear cells & bone cell with special reference immunity & differentiation	ISRO-RESPOND	Pai,K., Dr. (F) Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	28.55	24
749	An integrated approach for conservation of Takin (Budorcas taxicolor) in north east India: Linking species ecology & traditional ecological knowledge	MOEFCC-RDCD	Gopi,G.V., Dr. (M) Scientist E Wildlife Institute of India Chandrabani Dehradun - 248 001 Uttarakhand	68.24	36
750	Assessing fine scale distribution pattern, population & habitat status of northern Swamp deer (Rucervus duvasuceli) across upper Gangetic plains of north India	MOEFCC-RDCD	Mondol,S., Dr. (M) Scientist D Wildlife Institute of India Chandrabani Dehradun - 248 001 Uttarakhand	52.91	36
751	Assessment of changes for the conservation & management of Sathyamangalam Tiger Reserve	MOEFCC-RDCD	Jayakumar,S., Prof. (M) Pondicherry University Department of Ecology & Environmental Sciences, School of Life Sciences Puducherry - 605 014 Puducherry	49.63	24
752	Assessment of disease prevalence in ungulates in protected areas in Mizoram	MOEFCC-RDCD	Sathyakumar,S., Dr. (M) Scientist G Wildlife Institute of India Chandrabani Dehradun - 248 001 Uttarakhand	75.87	30
753	Ecological assessment of endemic & threatened laughing thrushes of the western ghats to develop conservation plan for securing their population & habitats	MOEFCC-RDCD	Babu,S., Dr. (M) Senior Scientist Salim Ali Centre for Ornithology & Natural History P.O. Anaikatty Coimbatore - 641 108 Tamil Nadu	53.71	36

BROAD SUBJECT AREA : BIOLOGICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
754	Ecology & recovery of critically endangered vulture species in pong dam Protected Area (PA) & its Eco Sensitive Zone (ESZ) in Himachal Pradesh	MOEFCC-RDCD	Talukdar,G., Dr. (M) Scientist E Wildlife Institute of India Chandrabani Dehradun - 248 001 Uttarakhand	85.23	36
755	Emerging infectious disease in birds across a gradient of alien invasive trees mapped using Remote Sensing on Shola Sky Islands	MOEFCC-RDCD	Vijayan,R., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road Tirupati - 517 501 Andhra Pradesh	78.13	36
756	Population status ecology & conservation of the Indian Swiftlet (Aerodramus unicolor) west coast & offshore Islands in the western ghats of Maharashtra	MOEFCC-RDCD	Shirish,M.S., Dr. (M) Senior Scientist Salim Ali Centre for Ornithology & Natural History P.O. Anaikatti Coimbatore - 641 108 Tamil Nadu	49.77	36
757	Quantification of the economic & ecological services of eco-tourism as a livelihood option for the sustainability of the Rhino population in Manas Tiger Reserve, Assam	MOEFCC-RDCD	Kumar,A., Dr. (M) Scientist C Rain Forest Research Institute Division of Forest Ecology & Climate Change, Deovan Estate, Sotai Ali, A.T. Road Jorhat - 785 101 Assam	19.62	24
758	Securing habitats for threatened mountain ungulates through robust population assessment & conservation planning	MOEFCC-RDCD	Kolipakam,V., Dr. (M) Scientist C Wildlife Institute of India Chandrabani Dehradun - 248 001 Uttarakhand	74.39	36
Total Cost of 629 Projects Under: <b>Biological Sciences</b>				33,248.89	

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
759	Absolute asymmetric of cyclitol derived natural products & their analogs: Dawn of a synthetic Myo-Inositol derived chiral pool molecule	CSIR-ES	Mysore,S.S., Dr. (M) CSIR-National Chemical Laboratory Division of Organic Chemistry Pune - 411 008 Maharashtra	10.20	36
760	Design & development of novel chemosensors for toxic cations & anions based on phosphorescent Iridium (III) complexes	CSIR-ES	Reddy,M.L.P., Dr. (M) CSIR-National Institute for Interdisciplinary Science & Technology Division of Material Science & Technology Thiruvananthapuram - 695 019 Kerala	10.20	36
761	Electrochemical conversion of CO <sub>2</sub> & CO to liquid (C <sub>3</sub> ) oxygenates on metal free hetero-doped graphene & N- & B-containing conjugated polymers	CSIR-ES	Phani,K.L., Dr. (M) CSIR-Central Electrochemical Research Institute Division of Electrode & Electrocatalysis Karaikudi - 630 003 Tamil Nadu	10.20	36
762	Investigations on the production of acid soluble titania feedstock for sulphate process of TiO <sub>2</sub> pigment production from ilmenite	CSIR-ES	Bhat,H., Dr. (M) CSIR-National Institute for Interdisciplinary Science & Technology Division of Materials Science & Technology Thiruvananthapuram - 695 019 Kerala	10.20	36
763	Laboratory scale study on enhancing aluminium hydroxide yield in bayer precipitation process	CSIR-ES	Bhattacharya,I.N., Dr. (M) CSIR-Institute of Minerals & Materials Technology Department of Hydro & Electrometallurgy Bhubaneswar - 751 013 Odisha	10.20	36
764	Novel total biomass based hydrogels for speciality applications	CSIR-ES	Chauhan,G.S., Dr. (M) Himachal Pradesh University Department of Chemistry Shimla - 171 005 Himachal Pradesh	10.20	36
765	Smart injectables & hydrogels from unexplored polysaccharides for biomedical applications	CSIR-ES	Badiger,M.V., Dr. (M) CSIR-National Chemical Laboratory Division of Polymer Science & Engineering Pune - 411 008 Maharashtra	10.20	36
766	Solvent free, water dispersible non-isocyanate polyaspartic polyurethanes for high performance functional materials	CSIR-ES	Kothapalli,R.V.S.N., Dr. (M) CSIR-Indian Institute of Chemical Technology Division of Polymers & Functional Materials Hyderabad - 500 007 Telangana	10.20	36
767	Synthesis & characterization of luminescent nanomaterials for energy saving display devices	CSIR-ES	Khatkar,S.P., Dr. (M) Maharshi Dayanand University Department of Chemistry Rohtak - 124 001 Haryana	10.20	36
768	The design, synthesis, & development bio-based monomers & polymers with improved sustainability	CSIR-ES	Wadgaonkar,P.P., Dr. (M) CSIR-National Chemical Laboratory Division of Polymer Science & Engineering Pune - 411 008 Maharashtra	10.20	36
769	AIE active functional aminoglycoside antibiotics: Design, synthesis, self-assembly, molecular recognition & biological applications	CSIR-GS	Bhosale,S.V., Dr. (M) Goa University Department of Chemistry Taleigo Plateau - 403 206 Goa	14.50	36
770	AIE active materials: A search for new solid-state emitters	CSIR-GS	Bhalla,V., Dr. (M) Guru Nanak Dev University Department of Chemistry Amritsar - 143 005 Punjab	16.00	36
771	Aluminium based intramolecular FILPs: Synthesis, structure & application toward catalytic C-H/X activation reactions	CSIR-GS	Geetharani,K., Dr. (F) Indian Institute of Science Department of Inorganic & Physical Chemistry Bengaluru - 560 012 Karnataka	9.00	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
772	Aromatic bisphosphonate-functionalized: Polyoxovanadates synthesis, structural characterization & electrochemical studies	CSIR-GS	Banerjee,A., Dr. (M) Visvesvaraya National Institute of Technology (Nagpur) Department of Chemistry Nagpur - 440 010 Maharashtra	6.00	36
773	Cobalt & group VII metal catalyzed C-C & C-N bond formation using alcohols	CSIR-GS	Kundu,S.K., Dr. (M) Indian Institute of Technology (Kanpur) Department of Chemistry Kanpur - 208 016 Uttar Pradesh	9.00	36
774	Computational approach to probe the origin of magnetic anisotropy in actinide molecular nano magnets	CSIR-GS	Rajaraman,G., Prof. (M) Indian Institute of Technology (Bombay) Department of Chemistry, Powai Mumbai - 400 076 Maharashtra	13.50	36
775	Controlled drug delivery systems based on mesoporous silica nanoparticles & heteropolyacids: Design, characterizations & in-vitro release	CSIR-GS	Patel,A.U., Ms. (F) Professor Maharaja Sayajirao University of Baroda Department of Chemistry Vadodara - 390 002 Gujarat	6.00	36
776	Copper-catalyzed enantioselective propargylic substitution reactions	CSIR-GS	Mukherjee,S., Dr. (M) Indian Institute of Science Department of Organic Chemistry Bengaluru - 560 012 Karnataka	17.00	36
777	Design & development of large self-assembled advanced materials: A new protocol for asymmetric catalysis	CSIR-GS	Ranganath,K.V.S., Dr. (M) Banaras Hindu University Department of Chemistry Varanasi - 221 005 Uttar Pradesh	9.00	36
778	Design & synthesis of air-stable, earth-abundant pincer metal complexes & application in catalysis	CSIR-GS	Mukherjee,A., Dr. (M) Indian Institute of Technology (Bhilai) Department of Chemistry Raipur - 492 015 Chhattisgarh	8.00	36
779	Design & synthesis of b-carboline based therapeutically potential molecular architectures via exploration of chemoselectivity of Aldo-X bifunctional building blocks (AXB3S)	CSIR-GS	Singh,V., Dr. (M) Dr. B.R. Ambedkar National Institute of Technology Department of Chemistry Jalandhar - 144 011 Punjab	17.00	36
780	Design & synthesis of chromene-based 1, 2, 4-oxadiazole derivatives as PFKB3 (6-Phosphofructo-2-kinase/Fructose-2,6-Bisphosphatase 3) inhibitor	CSIR-GS	Mohapatra,S., Dr. (M) Ravenshaw University Department of Chemistry Cuttack - 753 003 Odisha	9.80	36
781	Design & synthesis of diketopyrrolopyrrole chromophore containing some new molecular scaffold: Photophysical studies & their applications	CSIR-GS	Misra,A., Dr. (M) Banaras Hindu University Department of Chemistry Varanasi - 221 005 Uttar Pradesh	16.00	36
782	Design & synthesis of diverse pyrrole-pyridine based molecules as selective sensors for ZN2+ & F-45	CSIR-GS	Bhattacharya,A., Dr. (M) Birla Institute of Technology & Science (Pilani) Department of Chemistry Hyderabad - 500 078 Telangana	9.30	36
783	Design & synthesis of earth abundant metal-catalysts for sustainable organic transformations	CSIR-GS	Banerjee,D., Dr. (M) Indian Institute of Technology (Roorkee) Department of Chemistry Roorkee - 247 667 Uttarakhand	13.50	36
784	Design & synthesis of freestanding ion-selective membranes from peptide modified two-dimensional nanomaterials	CSIR-GS	Raidongia,K., Dr. (M) Indian Institute of Technology (Guwahati) Department of Chemistry Guwahati - 781 039 Assam	8.00	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
785	Design & synthesis of functionalized terpyridyl-based ligands to access multiresponsive smart metallogels	CSIR-GS	Patra,S.K., Dr. (M) Indian Institute of Technology (Kharagpur) Department of Chemistry Kharagpur - 721 302 West Bengal	8.00	36
786	Design & synthesis of sugar-porphyrin conjugates & its metal complexes for the application of photodynamic therapy	CSIR-GS	Sreekanth,A., Dr. (M) National Institute of Technology (Tiruchirappalli) Department of Chemistry Tiruchirappalli - 620 015 Tamil Nadu	6.00	36
787	Design, synthesis & study of biological activity of natural product analogs	CSIR-GS	Singh,V.P., Dr. (M) Mizoram University Department of Chemistry Aizawal - 796 004 Mizoram	14.00	36
788	Design, synthesis, structural & photophysical studies of long wavelength absorbing molecules & their applications as fluorescent probes	CSIR-GS	Saha,S., Dr. (M) Banaras Hindu University Department of Chemistry Varanasi - 221 005 Uttar Pradesh	13.10	36
789	Development & application of cost effective AB Initio methods for strongly correlated electrons: A challenge for electronic structure theory	CSIR-GS	Chattopadhyay,S.K., Prof. (M) Indian Institute of Engineering Science & Technology Department of Chemistry Howrah - 711 103 West Bengal	4.50	36
790	Development of a CU (ii) mediated strategy for the sensing of fluoride anion in aqueous medium	CSIR-GS	Mahanta,S.P., Dr. (M) Tezpur University Department of Chemical Sciences, Napaam Tezpur - 784 028 Assam	6.00	36
791	Development of endogenous H2S triggered fluorescence modulated theranostic in cancer therapy & imaging	CSIR-GS	Bhuniya,S., Dr. (M) Amrita Vishwa Vidyapeetham Amrita Center for Industrial Research & Innovation Coimbatore - 641 112 Tamil Nadu	10.87	36
792	Development of molecular based novel inhibitors on signaling with focus on PI3K-AKT-M TOR pathway	CSIR-GS	Vijulatha,M., Dr. (F) Osmania University Department of Chemistry Hyderabad - 500 007 Telangana	6.00	36
793	Development of new water soluble main group, metal complex & organometallic catalysts for oxidation & related reactions	CSIR-GS	Elias,A.J., Prof. (M) Indian Institute of Technology (Delhi) Department of Chemistry, Hauz Khas New Delhi - 110 016 Delhi	9.50	36
794	Development of newer MCR based synthetic routes and assembly of novel peptidomimetics & NCL strategies to peptide drugs	CSIR-GS	Sureshbabu,V.V., Dr. (M) Bangalore University Department of Studies in Chemistry Bengaluru - 560 001 Karnataka	13.00	36
795	Development of novel & facile intramolecular glycoside bond formation methodology & their applications	CSIR-GS	Tiwari,V.K., Dr. (M) Banaras Hindu University Department of Chemistry Varanasi - 221 005 Uttar Pradesh	15.50	36
796	Development of substrate analogues for altering the specificity cyclooxygenase-2: A new approach for managing inflammation	CSIR-GS	Singh,P., Dr. (M) Guru Nanak Dev University Department of Chemistry Amritsar - 143 005 Punjab	15.00	36
797	Development of sugar powered fuel cells & their stacks for powering the flexible electronic devices	CSIR-GS	Kumar,G.G., Dr. (M) Madurai Kamaraj University Department of Physical Chemistry Madurai - 625 021 Tamil Nadu	6.00	36



BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
798	Development of transition metal based nanocatalysts for bio-inspired water oxidation	CSIR-GS	Indra,A., Dr. (M) Indian Institute of Technology (BHU) Department of Chemistry Varanasi - 221 005 Uttar Pradesh	16.00	36
799	Development of weakly coordinating group aided catalytic C-H bond activation strategy for organic synthesis	CSIR-GS	Baidya,M.M., Dr. (M) Indian Institute of Technology (Madras) Department of Chemistry Chennai - 600 036 Tamil Nadu	16.00	36
800	Enabling organic materials to harvest triplet excitons in organic light-emitting diodes	CSIR-GS	Thomas,K.R.J., Dr. (M) Indian Institute of Technology (Roorkee) Department of Chemistry Roorkee - 247 667 Uttarakhand	14.00	36
801	Exploring flexible chelates as platform for multimetallic compounds: A detailed investigation on their synthesis, characterization & application as chemo-& bio-sensors	CSIR-GS	Chandra,S.K., Prof. (M) Visva Bharati University Department of Chemistry Santiniketan - 731 235 West Bengal	6.00	36
802	Fabrications & synthesis of new fluorescent chemodosimeters for recognition of nerve agents & reactive oxygen species	CSIR-GS	Mondal,T.K., Dr. (M) Jadavpur University Department of Chemistry Kolkata - 700 032 West Bengal	8.00	36
803	Formation & utilization of Ruthenium (O) species for radical generation, C-X(X=H or Halogen) activation & catalytic application	CSIR-GS	Bhattacharya,S., Prof. (M) Jadavpur University Department of Chemistry Kolkata - 700 032 West Bengal	12.00	36
804	Functional models for the active site of nitrile hydrolase family	CSIR-GS	Pal,K., Dr. (M) Calcutta University Department of Chemistry Kolkata - 700 009 West Bengal	9.00	36
805	Functional polymers & materials from Chitosan using green click inspired reactions	CSIR-GS	Chattopadhyay,S., Dr. (M) Indian Institute of Technology (Patna) Department of Chemistry Patna - 801 103 Bihar	14.50	36
806	Functionalization of organotin compounds & their application as precursors to binary/ternary sulfide materials	CSIR-GS	Bhattacharya,S., Prof. (M) Banaras Hindu University Department of Chemistry Varanasi - 221 005 Uttar Pradesh	10.00	36
807	Half sandwich organotellurium oxides/hydroxides: An alternative reagent in organic synthesis	CSIR-GS	Ramalingam,T., Dr. (M) Central University of Rajasthan Department of Chemistry Ajmer - 305 817 Rajasthan	9.00	36
808	Hybridized local & charge-transfer excited state for highly efficient Oleds: Molecular design, spectral character & full excitation utilization	CSIR-GS	Jayabharathi,J., Dr. (F) Annamalai University Department of Chemistry Chidambaram - 608 002 Tamil Nadu	11.00	36
809	Hydrothermal fabrication of metal organic frameworks & graphene oxide assisted biopolymeric hybrid composites for Defluoridation of water	CSIR-GS	Viswanathan,N., Dr. (M) Anna University Department of Chemistry, College of Engineering, Reddiyarchatram Chennai - 608 002 Tamil Nadu	11.00	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
810	Iron group metal carbonyl complexes of chalcogen functionalized N-heterocyclic carbenes: Synthesis, characterization, mechanistic investigations & bio-inspired catalysis	CSIR-GS	Joshi,R.K., Dr. (M) Malaviya National Institute of Technology (Jaipur) Department of Chemistry Jaipur - 302 017 Rajasthan	7.00	36
811	Lewis acid catalyzed (3+3) annulation of donor-acceptor cyclopropane & indonyl alcohol: One step synthesis of substituted carbazoles	CSIR-GS	Banerjee,P., Dr. (M) Indian Institute of Technology (Ropar) Department of Chemistry Rupnagar - 140 001 Punjab	13.00	36
812	Long term stability enhancement of organolead halide perovskite nanocrystal	CSIR-GS	Kar,P., Dr. (M) Indian Institute of Technology (Roorkee) Department of Chemistry Roorkee - 247 667 Uttarakhand	9.00	36
813	Luminescent & magnetic coordination polymers of D & F block metal Ions employing fully substituted pyridine carboxamides	CSIR-GS	Hundal,G., Dr. (F) Guru Nanak Dev University Department of Chemistry Amritsar - 143 005 Punjab	9.00	36
814	Multi-target paradigm in drug discovery efforts to combat Alzheimer's disease	CSIR-GS	Kumar,V., Dr. (M) Central University of Punjab Department of Pharma Science & Natural Product Bhatinda - 151 001 Punjab	18.00	36
815	New chemosensors for small ions	CSIR-GS	Roy,P., Dr. (M) Jadavpur University Department of Chemistry Kolkata - 700 032 West Bengal	9.00	36
816	New inorganic framework compounds for heterogeneous & electro-catalysis	CSIR-GS	Natarajan,S., Dr. (M) Indian Institute of Science Solid State & Structural Chemistry Unit Bengaluru - 560 012 Karnataka	9.00	36
817	Nitrene insertion to C-H & C-C multiple bonds for the stereoselective synthesis of AZA-cycles	CSIR-GS	Gharpure,S.J., Dr. (M) Indian Institute of Technology (Bombay) Department of Chemistry, Poai Mumbai - 400 076 Maharashtra	17.00	36
818	Nonadiabatic dynamics of spin crossover in transition metal complexes	CSIR-GS	Mishra,S., Dr. (M) Indian Institute of Technology (Kharagpur) Department of Chemistry Kharagpur - 721 302 West Bengal	6.00	36
819	Nonheme dinuclear transition metal complexes with sulfide & hydrosulfide ligands	CSIR-GS	Majumdar,A., Dr. (M) Indian Association for the Cultivation of Science Department of Inorganic Chemistry Kolkata - 700 032 West Bengal	14.00	36
820	Novel mechanochemical (Ball milling) assisted synthesis of a novel heterocyclic scaffold & their biological evaluation	CSIR-GS	Sharma,A., Dr. (M) Indian Institute of Technology (Roorkee) Department of Chemistry Roorkee - 247 667 Uttarakhand	14.00	36
821	Novel nitrogen incorporated indenofluorenes: An effective structural topology to modulate electronic properties & to develop low band gap polymers & stable ground state open-shell biradicals	CSIR-GS	Malakalappalli,R.R., Prof. (M) Indian Institute of Technology (Dharwad) Department of Chemistry Dharwad - 580 011 Karnataka	8.00	36
822	Organocatalytic enantioselective construction of quaternary stereocenters: Access to biologically relant molecules	CSIR-GS	Chimni,S.S., Dr. (M) Guru Nanak Dev University Department of Chemistry Amritsar - 143 005 Punjab	17.00	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
823	Post transition state dynamics on chemical reactions & the effect of solvation	CSIR-GS	Paul,A.K., Dr. (M) National Institute of Technology (Meghalaya) Department of Chemistry Shillong - 793 003 Meghalaya	2.80	36
824	Preparation & application of imidazolium based zwitterion & ionic liquid as organocatalyst in organic synthesis with special emphasis on epoxide & aziridine chemistry in green aspects	CSIR-GS	Majee,A., Dr. (M) Visva Bharati University Department of Chemistry Santiniketan - 731 235 West Bengal	17.00	36
825	Probing annulations in multi directing systems & development of multifunctional Aiegens	CSIR-GS	Patel,B.K., Dr. (M) Indian Institute of Technology (Guwahati) Department of Chemistry Guwahati - 781 039 Assam	14.00	36
826	Programming macromolecular assembly by directional dipole-dipole interaction	CSIR-GS	Das,A., Dr. (F) Indian Association for the Cultivation of Science Polymer Science Unit Kolkata - 700 032 West Bengal	14.00	36
827	Silicon based two & three dimensional covalent organic frameworks & their applications	CSIR-GS	Murugavel,R., Prof. (M) Indian Institute of Technology (Bombay) Department of Chemistry, Powai Mumbai - 400 076 Maharashtra	9.00	36
828	Single ion complexes, molecular helices & grids of intrinsically anisotropic metal ions as "SMMS" with high effective energy barrier: New challenges in coordination chemistry	CSIR-GS	Konar,S., Dr. (M) Indian Institute of Science Education & Research (Bhopal) Department of Chemistry Bhopal - 462 066 Madhya Pradesh	9.00	36
829	Small molecule sulfonyl fluorides as irreversible inhibitors of cellular Glutathione Reductase (GSR)	CSIR-GS	Allimuthu,D., Dr. (M) Indian Institute of Technology (Kanpur) Department of Chemistry Kanpur - 208 016 Uttar Pradesh	16.00	36
830	Studies on the synthesis of indole annulated heterocycles & macrocycles via ring-closing metathesis reactions	CSIR-GS	Muthusamy,S., Dr. (M) Bharathidasan University Department of Chemistry Tiruchirappalli - 620 024 Tamil Nadu	17.00	36
831	Sugar mimicking hybrid Azasugars: Design, synthesis & their evaluation as glycosidase inhibitors	CSIR-GS	Kumar,R., Dr. (M) Delhi University Department of Chemistry Delhi - 110 007 Delhi	11.00	36
832	Syntheses of both enantiomers of carbohydrate based organocatalysis & gelators from D-or L- arabinose & their applications in asymmetric organocatalysis	CSIR-GS	Yadav,S., Dr. (M) Indian Institute of Technology (Dhanbad) Department of Applied Chemistry Dhanbad - 826 004 Jharkhand	14.00	36
833	Synthesis & applications of stimuli responsive conjugated polymers & macrocycles with Tri-coordinated boron atoms	CSIR-GS	Thakur,A., Dr. (M) Jadavpur University Department of Chemistry Kolkata - 700 032 West Bengal	6.00	36
834	Synthesis & catalytic applications of magnetic & non-magnetic spinels based multi-functional catalysts	CSIR-GS	Srivastava,R., Dr. (M) Indian Institute of Technology (Ropar) Department of Chemistry Rupnagar - 140 001 Punjab	6.00	36
835	Synthesis of 2-heteroatom substituted pyridines via transition metal catalyzed cycloaddition reactions: An approach to biologically active molecules	CSIR-GS	Goswami,A., Dr. (M) Indian Institute of Technology (Ropar) Department of Chemistry Rupnagar - 140 001 Punjab	14.00	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
836	Synthesis of heterocycle-fused chromenones & quinolinone through transition metal-catalyzed cascade reactions	CSIR-GS	Kumar,A., Dr. (M) Birla Institute of Technology & Science (Pilani) Department of Chemistry Pilani - 333 031 Rajasthan	12.50	36
837	Synthesis of heterocycles: Ruthenium (ii)-catalyzed redox-free cyclization of substituted aromatics or alkenes with carbon-carbon-compounds via C-H bond activation	CSIR-GS	Jeganmohan,M., Dr. (M) Indian Institute of Technology (Madras) Department of Chemistry Chennai - 600 036 Tamil Nadu	14.50	36
838	Synthesis of heterocyclic via activation of C-H, Allylic-Oh Alkynes by organic & metallic reagents	CSIR-GS	Saikia,A.K., Prof. (M) Indian Institute of Technology (Guwahati) Department of Chemistry Guwahati - 781 039 Assam	13.90	36
839	Synthesis of nanobridge nanomaterial for multiple drug delivery	CSIR-GS	Sadhu,K.K., Dr. (M) Indian Institute of Technology (Roorkee) Department of Chemistry Roorkee - 247 667 Uttarakhand	6.00	36
840	Synthesis of natural products & non-natural analogues via cascade C-H activation/functionalization	CSIR-GS	Kumar,K.S., Dr. (M) Osmania University Department of Chemistry Hyderabad - 500 007 Telangana	13.50	36
841	Synthesis of novel molecular entities via cationic cyclization	CSIR-GS	Basak,A.K., Dr. (M) Banaras Hindu University Department of Chemistry Varanasi - 221 005 Uttar Pradesh	16.00	36
842	Synthesis of novel spiro indanone fused pyrano (3, 2-C) chromene derivatives as BCRP/ABCG2 inhibitors	CSIR-GS	Nayak,S., Dr. (F) Ravenshaw University Department of Chemistry Cuttack - 753 003 Odisha	14.00	36
843	Synthesis of stimuli responsive supramolecular single-chain polymer nanoparticles based on molecular recognition of pillar (5) arene	CSIR-GS	Arunachalam,M., Dr. (M) Gandhigram Rural University Department of Chemistry Gandhigram - 624 302 Tamil Nadu	6.00	36
844	Synthesis, spectroscopic characterization & reactivity study of mononuclear late-transition metal-OXO complexes	CSIR-GS	Paria,S., Dr. (M) Indian Institute of Technology (Delhi) Department of Chemistry, Hauz Khas New Delhi - 110 016 Delhi	12.00	36
845	Synthetic applications of A-Enolic dithioesters/B-Ketothioamides enabled by visible - light photocatalysis: Construction of valuable privileged scaffolds	CSIR-GS	Singh,M.S., Prof. (M) Banaras Hindu University Department of Chemistry Varanasi - 221 005 Uttar Pradesh	17.00	36
846	Synthetic studies on quinocarbazole analogs & their in vitro cytotoxicity in human cancer cell cultures	CSIR-GS	Mohanakrishnan,A.K., Prof. (M) Madras University Department of Organic Chemistry Chennai - 600 025 Tamil Nadu	14.50	36
847	Total synthesis of Mycobactin J & Lariatins A & B employing transition-metal catalyzed C-H functionalization as the key steps	CSIR-GS	Kapur,M., Dr. (M) Indian Institute of Science Education & Research (Bhopal) Department of Chemistry Bhopal - 462 066 Madhya Pradesh	19.00	36
848	Visible & NIR light-activatable gasotransmitter donors for CO, H <sub>2</sub> S, & SO <sub>2</sub> & HNO release with real-time monitoring ability	CSIR-GS	Singh,N.D.P., Dr. (M) Indian Institute of Technology (Kharagpur) Department of Chemistry Kharagpur - 721 302 West Bengal	15.00	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
849	Visible light photoredox-catalyzed generation of iminyl-radicals from cyanamide & its N-substituted derivatives: A novel route to access polynitrogen heterocycles	CSIR-GS	Natarajan,P., Dr. (M) Panjab University Department of Chemistry Chandigarh - 160 014 Chandigarh	10.50	36
850	Water soluble fluorescent chemosensors: Design, synthesis & exploration of their biological application for specific recognition with purine, pyridine derivatives & nucleotides	CSIR-GS	Sahoo,P., Dr. (F) Visva Bharati University Department of Chemistry Santiniketan - 731 235 West Bengal	12.50	36
851	Application of terahertz spectroscopy to membrane hydration dynamics, complemented by time resolved fluorescence approaches	CSIR-SS	Mitra,R.K., Prof. (M) S.N. Bose National Centre for Basic Sciences Department of Chemistry, Bio, Macromole Science Kolkata - 700 106 West Bengal	15.00	36
852	Chitosan/alginate matrix containing copper doped hardystonite from agricultural waste for bone tissue engineering	CSIR-SS	Moorthi,A., Dr. (M) Chettinad Academy of Research & Education Department of Bionanotechnology Chennai - 603 103 Tamil Nadu	9.00	36
853	Synthesis & characterization of hybrid nanocomposites based on nanoscale metal-oxide semiconductor & conducting polymer for chemical & biological sensor applications	CSIR-SS	Kannan,V., Dr. (F) GITAM University Department of Physics Hyderabad - 502 329 Telangana	9.60	36
854	Effect of pore size, shape, & distribution on the performance of lanthanum zirconate based thermal barrier coatings	DRDO-ER & IPR	Thirumalaikumarasamy,D., Dr. (M) Assistant Professor Government College of Engineering Department of Mechanical Engineering, Bargur Krishnagiri - 635 104 Tamil Nadu	31.66	36
855	EM design & development of Radar Absorbing Structure (RAS) for X-band applications	DRDO-ER & IPR	Joy,V., Mrs. (F) Scientist CSIR-National Aerospace Laboratories Centre for Electromagnetics Bengaluru - 560 017 Karnataka	44.52	24
856	High entropy alloys with multiscale heterogeneities: A novel class of advanced structural materials	DRDO-ER & IPR	Bhattacharjee,P.P., Dr. (M) Professor Indian Institute of Technology (Hyderabad) Department of Materials Science & Metallurgical Engineering, Kandi Sangareddy - 502 285 Telangana	71.89	36
857	Preparation of high pure anhydrous magnesium chloride from sea water bitterns & magnesite	DRDO-ER & IPR	Nalajala,V.S., Dr. (M) Assistant Professor Vignan's Foundation for Science, Technology & Research Department of Chemical Engineering Guntur - 522 213 Andhra Pradesh	23.23	24
858	Synthesis, characterization of high permeability powders & their evaluation for microwave absorption applications	DRDO-ER & IPR	Amanchi,R.B.K., Mr. (M) Chief Technology Officer Srimaharshi Research Institute of Vedic Technology Department of Research & Development Guntur - 522 006 Andhra Pradesh	46.87	36
859	Development & demonstration of pilot-scale hybrid wastewater treatment system with hydrodynamic cavitation & biosurfactant for recycling of textile effluent	DST-IMPRINT-2	Sonawane,S.H., Dr. (M) Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	41.42	36
860	Development of heat exchanger for aerospace applications using electrodeposited high strength aluminum alloys	DST-IMPRINT-2	Tatiparti,S.V., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	71.67	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
861	Development of high temperature air bleed system for aircraft engine application using high strength Ni based alloys through electrode position	DST-IMPRINT-2	Manepalli,P.J., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	75.41	36
862	Development of low cost sensors for monitoring of odours in ambient air	DST-IMPRINT-2	Kumar,M., Prof. (M) Associate Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	94.76	36
863	Development of novel sodium superionic conducting electrolytes for sodium Ion batteries for automotive application	DST-IMPRINT-2	Singh,R.K., Dr. (M) Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	67.24	36
864	Recycling of reverse osmosis reject water for co-production of high value metabolites & biofuel precursors using high density Algal cultivation	DST-IMPRINT-2	Prajapati,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	40.49	36
865	Twistronics with transition metal dichalcogenides	DST-IRHPA	Mahadevan,P., Dr. (F) Senior Professor S.N. Bose National Centre for Basic Sciences Block-JD, Sector 3, Salt Lake Kolkata - 700 098 West Bengal	262.65	60
866	1,5-Disubstituted 1,2,3-triazoles: Synthesis & applications of an under-explored & under-utilized class of triazoles in material science & biology	DST-SERB-CRG	Pathak,T., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	36.39	36
867	A mechanism-based approach to the biosynthesis of Vitamin B2 cofactor analogs	DST-SERB-CRG	Hazra,A.B., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	67.80	36
868	A molecular level understanding of charge & energy transfer processes in organic semiconductors	DST-SERB-CRG	Pandey,R., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	175.35	36
869	A new perspective on the difunctionalization of ynamides	DST-SERB-CRG	Sahoo,A.K., Dr. (M) Professor Hyderabad University Hyderabad - 500 046 Telangana	57.31	36
870	Advanced materials towards electrocatalytic oxygen evolution reaction for sustainable energy conversion	DST-SERB-CRG	Nagaiah,T.C., Dr. (F) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	57.83	36
871	Al(I)/Al(III) Lewis pairs for the activation of inert chemical bonds	DST-SERB-CRG	Venugopal,A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	20.46	36
872	Alloying & doping of lead-free Halide-based double perovskites for optoelectronic applications	DST-SERB-CRG	Sapra,S., Dr. (M) Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	38.61	36
873	Antibodies targeting the heparanase active site for cancer therapy	DST-SERB-CRG	Kikkeri,R., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	77.59	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
874	Assembly of novel polyheterocyclic frameworks using cycloaddition strategy	DST-SERB-CRG	Bakthadoss,M., Prof. (M) Pondicherry University Chinna, Kalapet Puducherry - 605 014 Puducherry	52.47	36
875	Asymmetric organocatalytic activation of cyclopropane carbaldehydes towards the construction of enantioenriched annulated products	DST-SERB-CRG	Banerjee,P., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	50.30	36
876	Beyond born - Oppenheimer approaches on spectroscopy, reactive & surface scattering	DST-SERB-CRG	Adhikari,S., Prof. (M) Senior Professor Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	26.57	36
877	Bifunctional site-isolated polyhedral oligomeric silsesquioxane for tandem & cooperative catalytic reactions	DST-SERB-CRG	Shanmugan,S., Dr. (M) Assistant Professor S.R.M. University S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	36.12	36
878	Bio-polymer/metal hydroxides nanocomposites for mitigating fluoride from water	DST-SERB-CRG	Rashid,M.H., Dr. (M) Assistant Professor Rajiv Gandhi University Papum pare Itanagar - 791 112 Arunachal Pradesh	29.59	36
879	Blending traditional & newer synthetic methods for regio-/stereo- selective synthesis of functionalized carbo-/heterocycles: Application towards the asymmetric total synthesis of some complex bioactive terpenoid-alkaloids	DST-SERB-CRG	Khan,T., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 013 Odisha	46.46	36
880	Carborane appended $\pi$ -conjugated derivatives	DST-SERB-CRG	Dash,B.P., Dr. (M) Assistant Professor Siksha O Anusandhan University J-15, Khandagiri Marg, Dharam Vihar, Jagamara Bhubaneswar - 751 003 Odisha	41.91	36
881	Charged copolymer conetwork membranes for waste water treatment & different electrochemical separation application	DST-SERB-CRG	Chatterjee,U., Dr. (F) Scientist CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar - 364 002 Gujarat	23.44	36
882	Chemical & structural intricacies in the formation, stability & reactivity of metal oxygen adducts in non-heme synthetic scaffolds	DST-SERB-CRG	Sastri,C.V., Prof. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	47.82	36
883	Chemical transformations of clathrate hydrates under ultra-high vacuum	DST-SERB-CRG	Pradeep,T., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	76.54	36
884	Chemistry in self-assembled coordination architectures	DST-SERB-CRG	Mukherjee,P.S., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	55.20	36
885	Chiral building blocks from sulfinimines: Application to the total synthesis of decahydroquinoline, stemona & daphniphyllum alkaloids	DST-SERB-CRG	Prasad,K.R., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	61.87	36
886	Chiral inorganic nanostructures stabilized by surfactants for asymmetric catalysis: A new protocol	DST-SERB-CRG	Ranganath,K.V., Dr. (M) Associate Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	48.04	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
887	Chiral luminescent materials as security tags for anticounterfeiting	DST-SERB-CRG	Kumar,J., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar Tirupati - 517 507 Andhra Pradesh	47.41	36
888	Chirality modulated design of bioinspired semiconductive peptides & peptidomimetics: Synthesis, self-assembly, semiconductivity & optical properties	DST-SERB-CRG	Choudhury,S., Dr. (M) Assistant Professor Assam University East Road Silchar - 788 011 Assam	42.58	36
889	Combating malaria by inhibiting the action of plasmeprin-V: Physico-chemical insights	DST-SERB-CRG	Choudhary,S., Dr. (F) Assistant Professor UM-DAE Centre for Excellence in Basic Sciences University of Mumbai, Vidyanagari Campus, Kalina, Santacruz Mumbai - 400 098 Maharashtra	52.40	36
890	Combination of scandium triflate & diverse propargyl a-aryl-a-Diazoacetates as novel catalyst-reagent system for the direct asymmetric site-selective C-H bond functionalization-An easy access to bioactive compounds	DST-SERB-CRG	Bhat,R.G., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	39.53	36
891	Common functional groups assisted & visible-light driven electronically controlled catalytic C-H bond functionalizations & applications towards natural product scaffolds	DST-SERB-CRG	Baidya,M., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	28.38	36
892	Computational design, synthesis & screening of non-hydroxamate lipophilic DXR inhibitors as potential antibacterial/antimalarial/anti-TB agents	DST-SERB-CRG	Sundriyal,S., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	30.46	36
893	Computational investigations of transition-metal catalyzed Chan-Lam coupling & other relevant stereo selective C-N bond formation reactions	DST-SERB-CRG	Koley,D., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia Mohanpur - 741 246 West Bengal	33.22	36
894	Computational studies on charge transfer & hole migration dynamics in functionalized bimetallic nanocluster	DST-SERB-CRG	Periyasamy,G., Dr. (F) Assistant Professor Bangalore University Mysore Road, Jnana Bharathi Bengaluru - 560 056 Karnataka	31.78	36
895	Conformational properties of block polyelectrolytes: A coarse-grained molecular dynamics study	DST-SERB-CRG	Chaudhury,S., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	53.99	36
896	Conformationally rigid chiral phosphoric acids for asymmetric organic transformations	DST-SERB-CRG	Ramanathan,C., Dr. (M) Assistant Professor Pondicherry University Chinna, Kalapet Puducherry - 605 014 Puducherry	64.70	36
897	Construction of contiguous all carbon quaternary centers: Total synthesis of polymeric Cis-Pyrrolidino[2,3b-b] indoline alkaloids	DST-SERB-CRG	Bisai,A., Dr. (M) Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	68.42	36
898	Controlling the efficiency of molecular switches & the dynamics of switchable states on surface	DST-SERB-CRG	Gopakumar,T.G., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	80.41	36



BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
899	Crystallization of drugs templated by mimetic organogels & functional surfaces	DST-SERB-CRG	Sarma,B.C., Dr. (M) Assistant Professor Tezpur University Tezpur - 784 028 Assam	29.30	36
900	Decoding the mechanism of formation & composition of Solid Electrolyte Interphase (SEI) in ionic liquids-based Li-Ion batteries by employing combined ab initio & All-atom molecular dynamics simulations	DST-SERB-CRG	Kashyap,H.K., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	28.82	36
901	Decoding the mechanism of photochemical & electrochemical splitting of water & CO <sub>2</sub> reduction using theoretical approaches	DST-SERB-CRG	Paul,A., Prof. (M) Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	36.01	36
902	Dendritic organometallic catalysis: Dendrimer structures enabled reactivities of catalysts & slow-release of substrates as strategies in iterative C-C bond forming reactions	DST-SERB-CRG	Jayaraman,N., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	56.32	36
903	Design & development of efficient, stable & cost effective organic dyes & its application in dye-sensitized solar cells	DST-SERB-CRG	Ajayaghosh,A., Dr. (M) Director CSIR-National Institute for Interdisciplinary Science & Technology Post Office Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	120.26	36
904	Design & development of organic persulfide donors	DST-SERB-CRG	Chakrapani,H., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	75.55	36
905	Design & development of selective inhibitors of protein arginine methyltransferase 1 involved in epigenetic modifications	DST-SERB-CRG	Talukdar,A., Dr. (M) Senior Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	41.72	36
906	Design & screening of Pd-bimetallic alloy (Pd-M) & Pd-bimetallic-Phosphide (Pd-M-P) loaded covalently linked 3- dimensional graphene/heteroatom doped/co-doped graphene network (Pd-M-3DHADG & Pd-M-P-3D-HADG) nano-electrocatalysts for direct oxidation ..	DST-SERB-CRG	Bhat,M.A., Dr. (M) Assistant Professor Kashmir University Hazaratbal Srinagar - 190 006 Jammu & Kashmir	41.91	36
907	Design & synthesis of molecular probes for detection & imaging of protein aggregates	DST-SERB-CRG	Gundimeda,V.S., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Vishwakarma Government Engineering College Campus, Chandkheda Gandhinagar - 382 424 Gujarat	54.10	36
908	Design & synthesis of new light harvesting chromophores & studying their photo physical properties	DST-SERB-CRG	Lyer,P.K., Prof. (M) Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	30.36	36
909	Design & synthesis of novel luminescent discotic liquid crystals for application as emitters in organic light emitting diodes	DST-SERB-CRG	Pal,S.K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S.Nagar Mohali - 140 306 Punjab	39.24	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
910	Design & synthesis of porous crystalline covalent organic framework foams for micropollutant removal	DST-SERB-CRG	Banerjee,R., Prof. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia Mohanpur - 741 246 West Bengal	89.09	36
911	Design & synthesis of $\pi$ -extended & ring-expanded bBis-macrocycles & investigating their photophysical properties for optoelectronic applications	DST-SERB-CRG	Sabapathi,G., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	47.01	36
912	Design of appropriate DFT method to mimic pressure effect on atoms & molecules confined in various environment	DST-SERB-CRG	Roy,A.K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia Mohanpur - 741 246 West Bengal	35.05	36
913	Design of novel approaches for the synthesis of highly functionalized N-heterocycles: An application in total synthesis of isoquinoline alkaloids	DST-SERB-CRG	Verma,A.K., Prof. (M) Delhi University Department of Chemistry Delhi - 110 007 Delhi	39.01	36
914	Design of ship in a bottle complexes & zeolite-Y supported nanocatalysts for C-Cl bond activation & C-C coupling reactions	DST-SERB-CRG	Bania,K.K., Dr. (M) Assistant Professor Tezpur University Napaam Tezpur - 784 028 Assam	31.49	36
915	Design of structure based peptidomimetic inhibitors for P53-MDM2 interactions. A new strategy to develop cancer therapeutics	DST-SERB-CRG	Gopi,H.N., Dr. (M) Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	63.29	36
916	Design, preparation & evaluation of S (Sulphur) & P (Phosphorous) mediated functional solids in the form of co-crystals, Metal-Organic Frameworks (MOFs) structures & Covalent Organic Frameworks (COFs)	DST-SERB-CRG	Pedireddi,V.R., Prof. (M) Indian Institute of Technology (Bhubaneswar) Department of Chemistry, Arugul, Jatni Bhubaneswar - 751 013 Odisha	20.57	36
917	Designed nanoparticle for clearing toxic protein aggregates from cell	DST-SERB-CRG	Jana,N.R., Prof. (M) Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	52.47	36
918	Designing & simulation of photonic materials for data storage from specific classes of nano & organic-derivatives	DST-SERB-CRG	Singh,A., Dr. (M) Assistant Professor Veer Bahadur Singh Purvanchal University Zafarabad Road Jaunpur - 222 003 Uttar Pradesh	53.61	36
919	Designing multifunctional Carbon Quantum Dot (CQD) based theranostic nanoparticle for photo chemotherapy of oral cancer	DST-SERB-CRG	Mohapatra,S., Dr. (F) Associate Professor National Institute of Technology (Rourkela) Sector-1 Rourkela - 769 008 Odisha	29.52	36
920	Designing new frustrated Lewis pairs for small molecules activation	DST-SERB-CRG	Giri,S., Dr. (M) Assistant Professor Haldia Institute of Technology I.C.A.R.E Complex, Hatiberia, District Midnapore Haldia - 721 657 West Bengal	22.18	36
921	Designing of Mn-Based catalysts for conversion of ethanol to butanol: A biofuel alternative to gasoline	DST-SERB-CRG	Pathak,B., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 452 011 Madhya Pradesh	50.31	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
922	Designing of smart molecules & materials by correlating optical, magnetic & transport properties through electronic structure analysis	DST-SERB-CRG	Misra,A., Dr. (M) Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 430 West Bengal	36.26	36
923	Detoxification of arsenic compounds: Enzyme mimetic studies to understand the methylation of arsenic by Ar(iii) S - Adenosylmethione (SAM) Methyltransferase (AS3MT)	DST-SERB-CRG	Roy,G., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	59.54	36
924	Developing a machine learning Algorithm for predicting crystal structures by analyzing the packing patterns in smaller molecular aggregates	DST-SERB-CRG	Jose,J.K., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	48.54	36
925	Developing magnetic nanoparticle-based tool to purify $\beta$ -cell for the treatment of type-1 diabetes	DST-SERB-CRG	Manna,D., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 023 Madhya Pradesh	36.01	36
926	Developing polypyridyl appended functional polymers to access self-healing side-chain metallopolymers	DST-SERB-CRG	Patra,S.K., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	31.72	36
927	Developing self-drug-delivery systems from coordination complexes/polymers	DST-SERB-CRG	Dastidar,P., Dr. (M) Senior Professor Indian Association for the Cultivation of Science 2a & 2b Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	16.31	36
928	Development of 2D nanostructures dispersed nanocellular conductive polymer foams for EMI shielding	DST-SERB-CRG	Kannaiyan,D., Prof. (M) Associate Professor Thiruvalluvar University Serkadu Vellore - 632 115 Tamil Nadu	29.01	36
929	Development of an efficient method for free energy calculations	DST-SERB-CRG	Nair,N.N., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	44.79	36
930	Development of flexible & rechargeable zinc-air batteries based on Bi - functional nanostructured electrocatalysts possessing in-situ derived active electrolyte interface & ionomer membrane	DST-SERB-CRG	Kurungot,S., Dr. (M) CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	35.36	36
931	Development of Metal-Organic Frameworks (MOFs) based sensory materials for detection of environmental pollutants in water	DST-SERB-CRG	Ghosh,S.K., Prof. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	62.98	36
932	Development of new functional materials: Self-assembly, molecular recognition & catalytic applications	DST-SERB-CRG	Bhalla,V., Dr. (F) Assistant Professor Guru Nanak Dev University Grand Trunk Road, Off NH 1 Amritsar - 143 005 Punjab	58.67	36
933	Development of organo & transition metal based supramolecular scaffolds toward recognition, sensing & catalytic organic transformations	DST-SERB-CRG	Ghosh,P., Prof. (M) Senior Professor Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	51.93	36
934	Development of Quantum Chemical Descriptor (QCD) based method for screening drug-like molecules: A theoretical alternative for Lipinski rule	DST-SERB-CRG	Cherumuttathu,S.H., Dr. (M) Sr. Principal Scientist CSIR-National Institute for Interdisciplinary Science & Technology Post Office Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	26.68	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
935	Development of simple, cost-effective & scalable spray drying based synthetic strategy for inorganic nanostructured materials	DST-SERB-CRG	Panda,A.B., Dr. (M) Principal Scientist CSIR-National Metallurgical Laboratory P.O.Burma Mines Jamshedpur - 831 039 Jharkhand	30.89	36
936	Development of some novel photoredox/electrochemical strategies for the synthesis of privileged molecular skeletons	DST-SERB-CRG	Singh,K.N., Dr. (M) Professor Banaras Hindu University Department of Organic Chemistry, Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	56.08	36
937	Diphosphenes as synthons for novel low-valent phosphorus compounds & their utilization as ligands for coinage metal complexes	DST-SERB-CRG	Jana,A., Dr. (M) Reader F Tata Institute of Fundamental Research Centre For Interdisciplinary Sciences, 21 Brundavan Colony, Narsingi Hyderabad - 500 075 Telangana	20.74	36
938	DNA origami based optical nanoantennas for single molecule bio- sensing & imaging	DST-SERB-CRG	Sen,T., Dr. (F) Scientist D Institute of Nano Science & Technology Sector-64 Mohali - 160 047 Punjab	73.66	36
939	Effect of high density water, low density water on protein stability & biological functions	DST-SERB-CRG	Chakroborty,D., Dr. (F) Assistant Professor National Institute of Technology (Karnataka) NH66, Srinivasnagar Surathkal - 575 025 Karnataka	38.32	36
940	Enantioselective organocatalysis: A valuable strategy for the synthesis of important class of spirooxindoles/3, 3-disubstituted oxindoles & related scaffolds	DST-SERB-CRG	Samanta,S., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 452 011 Madhya Pradesh	36.52	36
941	Enantioselective synthesis of functionalized six-membered N-heterocyclic compounds via molecular rearrangements	DST-SERB-CRG	Maity,P., Dr. (M) Senior Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	41.80	36
942	Enantioselective synthesis of spirocycles using metal-catalyzed oxidative C-H activation reactions	DST-SERB-CRG	Gogoi,S., Dr. (M) Senior Scientist CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	34.74	36
943	Energy efficient luminescent/catalytic nanocomposites via ionic liquids	DST-SERB-CRG	Ghosh,P., Dr. (M) Assistant Professor Dr. Hari Singh Gour Central University Sagar - 470 003 Madhya Pradesh	30.55	36
944	Excited state hydrogen transfer in microsolvated N-H bearing molecules: Determination of the hydrogen bonded structures, properties & tautomerization reaction products	DST-SERB-CRG	Maity,S., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 205 Telangana	53.85	36
945	Exploration of new heavy metal chalcogenides for semiconductor based radiation detection applications	DST-SERB-CRG	Cheriyedath,R.S., Dr. (M) Assistant Professor Sree Kerala Varma College P.O.Kaatukkara Thrissur - 680 011 Kerala	38.17	36
946	Exploratory studies on the divergent reactivity of propargyl ethers: An avenue for new reaction development for natural products & drugs	DST-SERB-CRG	Baire,B., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	46.42	36
947	Exploring homogeneous catalysis using transition metal complexes of redox noninnocent ligands	DST-SERB-CRG	Paul,N.D., Dr. (M) Assistant Professor Indian Institute of Engineering Science & Technology Botanic Garden Howrah - 711 103 West Bengal	32.60	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
948	Exploring the binding between new cationic fatty acid amide & lectin for dual targeting the membranes of Escape pathogens	DST-SERB-CRG	Veerappan,A., Dr. (M) Sr. Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	20.49	36
949	First direct enantioselective synthesis of unactivated aziridines from enals & indoles	DST-SERB-CRG	Tiwari,B., Dr. (M) Assistant Professor Centre of Biomedical Research Raebareli Road Lucknow - 226 014 Uttar Pradesh	51.67	36
950	First principle design & development of multifunctional Van Der Waals & non-Van Der Waals solids	DST-SERB-CRG	Subramanian,V., Dr. (M) Chief Scientist CSIR-Central Leather Research Institute Sardar Patel Road, Adyar Chennai - 600 020 Tamil Nadu	35.85	36
951	First principle designing of single molecule magnets & grafting on the substrates to quench the quantum tunneling of magnetizations	DST-SERB-CRG	Ali,M.E., Dr. (M) Scientist-E Institute of Nano Science & Technology Phase-10, Sector-64 Mohali - 160 047 Punjab	37.37	36
952	Fluorogenic detection of miRNAs & their mutant versions in cancer cells via alternative base pairing methodology	DST-SERB-CRG	Sadhu,K.K., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	52.55	36
953	Functional materials for the electrocatalytic nitrogen reduction reaction & oxidative upgrading of biorefinery products	DST-SERB-CRG	Raj,C.R., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	51.81	36
954	Functional $\pi$ -conjugated peptide based hybrid molecules: Emerging soft materials for optoelectronic applications	DST-SERB-CRG	Singh,S.P., Dr. (M) Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 607 Telangana	52.53	36
955	Glycodiversification: Design & synthesis of biologically important conformationally constrained nonclassical bicyclic sugars via activation of C(Sp <sup>3</sup> )-H bonds	DST-SERB-CRG	Kumar,A., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 103 Bihar	43.09	36
956	Gly-Tag for precision labeling of proteins	DST-SERB-CRG	Rai,V., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	55.26	36
957	Heterocyclic compounds through borrowing hydrogen catalysis	DST-SERB-CRG	Ekambaram,B., Dr. (M) Senior Scientist Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar Tirupati - 517 507 Andhra Pradesh	44.74	36
958	High potency of complex dietary $\beta$ -glucan fibers as cholesterol & low-density lipoprotein lowering agents: A comprehensive mechanistic investigation through advanced dynamical simulations	DST-SERB-CRG	Roy,D., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	36.67	36
959	Hydroxylamine derivatives in the synthesis of 1, 2-heterocycles: Application to the stereoselective synthesis of [1,n]-amino alcohols	DST-SERB-CRG	Gharpure,S.J., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	67.69	36
960	Identification & in vivo validation of C-Jun-N-terminal Kinase 3 (JNK-3) inhibitors as novel therapeutics for neurodegenerative diseases	DST-SERB-CRG	Das,P., Dr. (M) Principal Scientist Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	42.33	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
961	Identification & mechanistic investigation of small molecules that prevent insulin fibrillation	DST-SERB-CRG	Saraogi,I., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-pass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	55.67	36
962	In silicon-steered synthesis of architecturally challenging inosito-inositols: A new approach to prevent Amyloid- $\beta$ aggregation in Alzheimer's disease	DST-SERB-CRG	Bhat,B.A., Dr. (M) Senior Scientist CSIR-Indian Institute of Integrative Medicine Canal Road Jammu - 180 001 Jammu & Kashmir	44.12	36
963	Inference of long-time biochemical processes via combination of short-length molecular dynamics simulation with Markova state model	DST-SERB-CRG	Mondal,J., Dr. (M) Reader Tata Institute of Fundamental Research Centre For Interdisciplinary Sciences, 21 Brundavan Colony, Narsingi Hyderabad - 500 075 Telangana	47.35	36
964	Inhibition of ATP synthase enzyme of drug-resistant Mycobacterium Tuberculosis through chemical library of asymmetric Tri & Tetrasubstituted Methanes (TRSMs) & Ethanes (TRSEs)	DST-SERB-CRG	Panda,G., Dr. (M) Senior Principal Scientist CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension, Sitapur Road Lucknow - 226 031 Uttar Pradesh	40.61	36
965	Invading nucleoside: Understanding how cells recruit proteins at target DNA sites	DST-SERB-CRG	Bhattacharjee,A., Dr. (M) Assistant Professor Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	38.32	36
966	Investigating asymmetric mixed surfactant bilayers using dual scale simulations to correlate bilayer properties with thermodynamics of asymmetry	DST-SERB-CRG	Debnath,A., Dr. (F) Associate Professor Indian Institute of Technology (Jodhpur) NH-65, Surpura Bypass Road, Karwar Jodhpur - 242 011 Rajasthan	44.36	36
967	Investigating the correlation between thermodynamic & kinetic parameters through Density Functional Reactivity Theory (DFRT) based approach	DST-SERB-CRG	Roy,R.K., Prof. (M) Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	41.29	36
968	Investigating the influence of self-assembled molecular layers on Au crystallites exhibiting unconventional non-FCC lattices	DST-SERB-CRG	Kulkarni,G.U., Dr. (M) Director & Professor Centre for Nano & Soft Matter Sciences P.B.No.1329, Jalahalli Bengaluru - 560 013 Karnataka	37.01	36
969	Investigation of charge transport in proteins & organic polymers of relevance to electrochemical processes & systems	DST-SERB-CRG	Bhattacharyya,A.J., Prof. (M) Chairman Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	56.58	36
970	Investigation of nanostructure hard-carbons as anodes for all-carbon, solid-state Na-Ion capacitors with high energy density	DST-SERB-CRG	Subramaniam,C., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	32.82	36
971	Investigation of Zintl phases as efficient thermoelectric materials for energy conversion	DST-SERB-CRG	Varma,M.R., Dr. (M) Sr. Principal Scientist CSIR-National Institute for Interdisciplinary Science & Technology Industrial Estate Post Office Pappanamcode Thiruvananthapuram - 695 019 Kerala	30.35	36
972	Investigation on the changes in protein hydration during aggregation in crowded environment by THz time domain & optical time resolved spectroscopy	DST-SERB-CRG	Mitra,R.K., Dr. (M) Professor S.N. Bose National Centre for Basic Sciences Block-Jd, Sector-3, Salt Lake Kolkata - 700 098 West Bengal	26.57	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
973	Ion exchange membranes from imidazole based polymers	DST-SERB-CRG	Jana,T., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	42.83	36
974	Isolated transition metal atoms on defect-engineered graphene: Synthesis & catalytic oxidation of indoor volatile organic compounds	DST-SERB-CRG	Jagadeesan,D., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	37.67	36
975	Light-Emitting D8 & D10 transition metal-N-Heterocyclic Carbene (NHC) complexes	DST-SERB-CRG	Dinda,J., Dr. (M) Reader Utkal University Vani Vihar Bhubaneswar - 751 007 Odisha	29.53	36
976	Long persistent luminescent organic dynamers: An efficient soft-material for lighting application	DST-SERB-CRG	Sukumaran,S.B., Dr. (M) Senior Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	46.16	36
977	Low cost flexible & rechargeable Zn-air battery for portable device application	DST-SERB-CRG	Halder,A., Dr. (F) Assistant Professor Indian Institute of Technology (Mandi) Tehsil Sadar, Near Kataula, Parashar Road Mandi - 175 005 Himachal Pradesh	42.17	36
978	Low valent NHC-based iron catalyst: Synthesis & applications in C-H & C-X borylation	DST-SERB-CRG	Geetharani,K., Dr. (F) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	45.21	36
979	Mechanistic investigation of crucial metallo-enzymes in plant alkenes biosynthesis: Towards a new generation of biofuels	DST-SERB-CRG	Das,D., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	72.09	36
980	Metal free simultaneous C(Sp3)- H & C(Sp2)-H functionalizations of Aliphatic amines/amino acids & nitrosoarenes to indoles & perophoramidine's analogs	DST-SERB-CRG	Jana,C.K., Prof. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	60.30	36
981	Metal mediated immunotoxicity - A molecular level understanding of metal binding to MHC-peptide complex & T cell recognition	DST-SERB-CRG	De,S., Dr. (F) Assistant Professor Cochin University of Science & Technology Thrikkakara, South Kalamassery Kochi - 682 022 Kerala	27.40	36
982	Metal-based targeted photodynamic therapy in red light	DST-SERB-CRG	Chakravarty,A.R., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	41.29	36
983	Metal-Phosphane Frameworks (MPFs) supported by polydentate phosphanes & cyclophosphazanes	DST-SERB-CRG	Balakrishna,M.S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	19.91	36
984	Mixed metal oxide electrodes for electrochemical water oxidation	DST-SERB-CRG	Ranjan,C., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	43.81	36
985	Modeling organic & biochemical phenomena via direct chemical dynamics simulations	DST-SERB-CRG	Paranjothy,M., Dr. (M) Associate Professor Indian Institute of Technology (Jodhpur) NH-65, Surpura Bypass Road, Karwar Jodhpur - 342 011 Rajasthan	51.89	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
986	Molecular basis of structural/conformational change of protein, membranes & DNA damage induced by fungicides: Investigation by state of art vibrational sum frequency generation & other spectroscopic techniques	DST-SERB-CRG	Singh,P.C., Dr. (M) Associate Professor Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	28.73	36
987	Multifaceted trifunctional organoseleniums & their dual behavior as oxidants & antioxidants	DST-SERB-CRG	Kumar,S., Prof. (M) Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	47.56	36
988	Multi-functional L-amino acid based biodegradable polymer scaffolds for cancer treatment	DST-SERB-CRG	Jayakannan,M., Prof. (M) Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	68.90	36
989	Multimodal approach for repairing of brain damage: Small molecule mediated neurogenesis from stem cells & transplantation of regenerated neurons through novel scaffolds	DST-SERB-CRG	Ghosh,S., Prof. (M) Indian Institute of Technology (Jodhpur) NH-65, Surpura Bypass Road, Karwar Jodhpur - 342 037 Rajasthan	279.57	36
990	Multi-stimuli responsive smart crystalline material derived from organic molecular photo switch	DST-SERB-CRG	Nath,N.K., Dr. (M) Assistant Professor National Institute of Technology (Meghalaya) Bijni Complex, Laitumkhrah Shillong - 793 003 Meghalaya	31.72	36
991	Nano-layered transition metal based hydrotalcite materials: Preparation, characterization & its catalytic applications on hydrogenation of bio-mass model compounds & CO <sup>2</sup> utilization	DST-SERB-CRG	Ayyamperumal,S., Dr. (M) Associate Professor Central University of Kerala Tejaswini Hills, Post Office Periyar Kasaragod - 671 123 Kerala	28.00	36
992	New 2-D carbon-based anode materials in Na-ion battery: Effects of heteroatom doping on Na storage capacity, charge mobility & open circuit voltage via Ab initio simulation study	DST-SERB-CRG	Rana,M.K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Government ITI Building, Engineering School Junction Berhampur - 760 010 Odisha	32.82	36
993	Non-heme metal-peroxynitrites: Synthesis & reactivity	DST-SERB-CRG	Draksharapu,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	49.72	36
994	Non-linear dielectric materials based on cyclic & acyclic organo & amino-P(V) motifs for energy harvesting & storage applications	DST-SERB-CRG	Shankar,R.B., Prof. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	64.39	36
995	Novel strategies for the generation of long-lived photoinduced charge separated states in donor-acceptor systems	DST-SERB-CRG	Gopidas,K.R., Dr. (M) Emeritus Scientist CSIR-National Institute for Interdisciplinary Science & Technology Post Office Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	34.24	36
996	Oxidative addition & electrophile driven cyclization approach towards azaspirocycles: Synthesis & anticancer activity	DST-SERB-CRG	Pahari,P., Dr. (M) Scientist CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	39.79	36
997	Penta Carboxy Cyclo Pentadiene (PCCP) based chiral Brønsted acid & bifunctional organocatalysts for enantioselective transformations	DST-SERB-CRG	Ramasamy,V.A., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S.Nagar Mohali - 140 306 Punjab	43.08	36



BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
998	Photophysics of acetylene bridged push-pull systems: Torsional effects on local, intramolecular charge transfer & aggregate emissions	DST-SERB-CRG	Mishra,A.K., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	45.74	36
999	Photoredox/transition-metal dual catalysis: Applications in visible-light-mediated carbon-carbon bond formations & asymmetric transformations	DST-SERB-CRG	Maji,B., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Nadia Mohanpur - 741 246 West Bengal	58.96	36
1000	Polymer electrolyte integrated all-solid Li-Ion rechargeable batteries: Demonstrating operational feasibility	DST-SERB-CRG	Basak,P., Dr. (M) Principal Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 607 Telangana	33.59	36
1001	Pre-embedded nanoparticle and/or composite-cluster core Metal Organic Framework [MOFs] based electro-catalysts for efficient splitting of water & carbon dioxide	DST-SERB-CRG	Koya,P.R., Dr. (M) Associate Professor Vignan's Foundation for Science, Technology & Research Vadlamudi Village Guntur - 522 213 Andhra Pradesh	51.57	36
1002	Probing the interplay of conformational & dynamical spaces of nucleic acids: Design & application of single molecule & ensemble fluorescence spectroscopy & computer simulation	DST-SERB-CRG	Sen,S., Dr. (M) Associate Professor Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	91.42	36
1003	Radicals of heterocyclic compounds & Polycyclic Aromatic Hydrocarbons (PAHs) - photochemistry & thermochemistry using matrix isolation IR & UV-Vis spectroscopy & computations	DST-SERB-CRG	Venkataramani,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector-81, S.A.S. Nagar Mohali - 140 306 Punjab	52.40	36
1004	Rational design & development of non-precious mixed transition metal oxides for oxygen reduction reaction	DST-SERB-CRG	Sandhyarani,N., Dr. (F) Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 600 Kerala	41.49	36
1005	Reversible hydrogen storage & delivery using viable Liquid Organic Hydrogen Carriers (LOHC): An organometallic-based switchable catalysis approach	DST-SERB-CRG	Choudhary,J., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	61.30	36
1006	Role of molecular interactions in solution processed layered pnictogens	DST-SERB-CRG	Matte,H.R., Dr. (M) Scientist C Centre for Nano & Soft Matter Sciences P.B. No. 1329 Bengaluru - 560 013 Karnataka	20.36	36
1007	Ruthenium-catalyzed $\pi$ -bond assisted C-H bond functionalization of hydrocarbons	DST-SERB-CRG	Jeganmohan,M., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	53.90	36
1008	Same site double doping as a strategy for high performance thermoelectric oxide materials	DST-SERB-CRG	Biswas,K., Dr. (M) Assistant Professor Vellore Institute of Technology University Vandalur Kelambakkam Road Chennai - 600 127 Tamil Nadu	29.63	36
1009	Selective adsorption & superprotonic conduction properties by hydrolytically and/or moisture stable porous coordination networks	DST-SERB-CRG	Das,M.C., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	14.41	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1010	Soft Coordination Polymer Gels (CPGs) as visible light photocatalyst for hydrogen production & carbon dioxide reduction	DST-SERB-CRG	Maji,T.K., Dr. (M) Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	53.12	36
1011	Stabilization of single metal atoms/clusters over redox active two dimensional conductive crystalline frameworks for chemiresistive hydrogen gas sensing	DST-SERB-CRG	Kalidindi,S.B., Dr. (M) Assistant Professor Andhra University Karachettu Road Visakhapatnam - 530 003 Andhra Pradesh	49.06	36
1012	Stimulating paramagnetic (T1- weighted) go-polymeric hybrid material as multimodal theranostic for tumor hypoxia - A clinically viable study	DST-SERB-CRG	Bhuniya,S., Dr. (M) Associate Professor J.I.S. University 89 Nilgunge Road, Agarpara Kolkata - 700 109 West Bengal	53.35	36
1013	Strategic design of oxygen deficient perovskites (Brownmillerites) as bifunctional electrocatalysts for oxygen reduction & oxygen evolution reactions occurring in various energy devices	DST-SERB-CRG	Swami,A.S., Dr. (F) Assistant Professor S.R.M. University S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	40.34	36
1014	Structural & thermodynamic study of the phase separation of TIA1 in the presence of Tau protein & the influence of the phase separation on protein aggregation	DST-SERB-CRG	Vijayan,V., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	27.06	36
1015	Structural orientation effects of new low dimensional hybrid perovskites on their physical properties	DST-SERB-CRG	Khushalani,D., Prof. (F) Associate Professor Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Navy Nagar, Colaba Mumbai - 400 005 Maharashtra	38.97	36
1016	Studies on continuous flow macrolactonization using metal catalyst towards drugs & natural products	DST-SERB-CRG	Boopathy,G., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	59.99	36
1017	Study of unusual thermal expansion & compressibility in organic & metal-organic materials	DST-SERB-CRG	Das,D., Dr. (M) Assistant Professor Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	52.18	36
1018	Surface ligand directed catalysis: Outplaying ligand poisoning in metal & semiconductor nanoparticle catalyzed reactions	DST-SERB-CRG	Pillai,P., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	29.81	36
1019	Synthesis & applications of diborane(4), diborane(6) & diborene(2) species at the coordination spare of early transition metals	DST-SERB-CRG	Ghosh,S., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	50.31	36
1020	Synthesis & catalytic studies of water soluble transition metal & main group element based sustainable catalysts for organic transformations	DST-SERB-CRG	Elias,A.J., Dr. (M) Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	40.12	36
1021	Synthesis of 1-C, 2-C, 3-C branched pyranosides & heptanosides, higher-carbon sugars, L-sugars & all the epimers of sialic acids & KDN non-ulosinic acids from perlin aldehydes	DST-SERB-CRG	Kancharla,P.K., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	46.85	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1022	Synthesis of biocompatible silver & gold nanoparticles using dietary polyphenols as reducing agents: Further investigation into their binding efficacies with the carrier proteins, biomolecular detections, anti-bacterial properties & cell cytotoxicity	DST-SERB-CRG	Roy,A.S., Dr. (M) Assistant Professor National Institute of Technology (Meghalaya) Bijni Complex, Laitumkhrach Shillong - 793 003 Meghalaya	25.12	36
1023	Synthesis of heterocyclic & their biological & photo physical studies	DST-SERB-CRG	Khan,A.T., Dr. (M) Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	59.43	36
1024	Synthesis of the polysaccharide fragments of opportunistic human pathogens providencia strains & their glycoconjugate derivatives	DST-SERB-CRG	Misra,A.K., Prof. (M) Bose Institute Centenary Campus, P1/12, Scheme Viim, Kankurgachic I.T. Road Kolkata - 700 054 West Bengal	26.03	36
1025	Synthesis of $\pi$ -conjugated chromophores & material science related applications	DST-SERB-CRG	Singh,K., Dr. (M) Professor Guru Nanak Dev University Grand Trunk Road, Off NH-1 Amritsar - 143 005 Punjab	39.16	36
1026	Synthetic control on reduction of dimensionality in lead halide perovskites for efficient broadband emission	DST-SERB-CRG	Kundu,J., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupur - 517 507 Andhra Pradesh	50.24	36
1027	Synthetic perspectives of Domino Ring-Opening Cyclization (DROC) & Ring-Opening Cyclization (ROC) of activated aziridines & azetidines to various biologically significant Aza/Oxa-heterocyclic compounds	DST-SERB-CRG	Ghorai,M.K., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	61.10	36
1028	Tandem catalysis on acyclic & cyclic heteroatom stabilized singlet carbene transition metal platforms for constructing complex structural motifs	DST-SERB-CRG	Ghosh,P., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	46.18	36
1029	Targeting Alzheimer's disease cascade: Rational design, synthesis & biological studies of new molecules against $\beta$ -secretase, $\gamma$ -secretase, acetyl choline esterase & serine/threonine kinases	DST-SERB-CRG	Randhawa,P.S., Prof. (M) Guru Nanak Dev University Grand Trunk Road, Off NH 1 Amritsar - 143 005 Punjab	44.81	36
1030	Targeting single-molecule magnets with high blocking temperature	DST-SERB-CRG	Shanmugam,M., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	38.63	36
1031	Tautomeric ligands for metal ligation & as building blocks for $\pi$ -conjugated macro cycles	DST-SERB-CRG	Anand,V.G., Prof. (M) Indian Institute of Science Education & Research (Pune) Dr. Hami Bhabha Road, Pashan Pune - 411 008 Maharashtra	51.91	36
1032	Testing various models of adsorption at interfaces from second harmonic light scattering experiments in solution	DST-SERB-CRG	Das,P.K., Dr. (M) Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	37.49	36
1033	The missing link in gold nanocluster research: Systematic study on the role of ligands in gold nanocluster luminescence	DST-SERB-CRG	Barman,A.K., Dr. (M) Assistant Professor Cotton University Panbazar Guwahati - 781 001 Assam	36.12	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1034	Thiophene-based conjugated porous polymer thin films	DST-SERB-CRG	Zade,S.S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia Mohanpur - 741 246 West Bengal	30.84	36
1035	Titanocene(III)-catalyzed radical cyclization to chiral quaternary centers: Application in the synthesis of terpenoid natural products, fenestranes, oxafenestranes & azafenestrane	DST-SERB-CRG	Chakraborty,T.K., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	38.51	36
1036	Total syntheses of conjugation-ready oligosaccharides of Eskape pathogens for vaccine development	DST-SERB-CRG	Kulkarni,S.S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	59.50	36
1037	Total synthesis of macrocyclic polyketide natural products with conjugated olefins & their relevant analogues & evaluation of their anticancer activities	DST-SERB-CRG	Goswami,R.K., Prof. (M) Associate Professor Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	36.29	36
1038	Towards discovering concepts for single component & multi baylis-hillman reactions	DST-SERB-CRG	Basavaiah,D., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	48.49	36
1039	Transition metal catalyzed C-H activation reactions with allenes or alkylidenecyclopropanes: Efficient access to 1, 3-dienes	DST-SERB-CRG	Volla,C., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	57.82	36
1040	Transition metal-free regioselective C5-functionalization of 8-substituted quinolines for synthesis & late-stage derivatization of bioactive precursors	DST-SERB-CRG	Ray,D., Dr. (F) Assistant Professor Amity University Amity Road, Sector 125 Noida - 201 303 Uttar Pradesh	34.14	36
1041	Tuning reactivity & selectivity in bioinspired oxidations catalyzed by nonheme iron complexes	DST-SERB-CRG	Paine,T.K., Prof. (M) Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	42.32	36
1042	Two-dimensional (2D) layered metal chalcogenides for high performance thermoelectric energy conversion	DST-SERB-CRG	Biswas,K., Dr. (M) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	78.93	36
1043	Ultrafast charge carrier dynamics of solar energy conversion materials	DST-SERB-CRG	Ghosh,H.N., Prof. (M) Institute of Nano Science & Technology Sector-64, Phase-10 Mohali - 160 047 Punjab	42.77	36
1044	Ultrasensitive single particle photon correlation & ultrafast dynamics in doped perovskite quantum dots	DST-SERB-CRG	Mandal,P.K., Prof. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia Mohanpur - 741 246 West Bengal	62.30	36
1045	Understanding the nature of early precursor conformations for the amyloid-like assembly of nucleic acid binding domain of TDP-43 protein involved in amyotrophic lateral sclerosis & other TDP-43 proteinopathies	DST-SERB-CRG	Jha,S.K., Dr. (M) Senior Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	42.92	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1046	Understanding the role of $n \rightarrow \pi^*$ interactions in the conformational properties of N,N'-diacylhydrazines & azapeptide models: Towards a priori prediction of geometries of Aza-oligomer peptidomimetics	DST-SERB-CRG	Sarma,B.K., Dr. (M) Assistant Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	55.28	36
1047	Understanding the role of protein-protein interactions in cellular copper trafficking	DST-SERB-CRG	Das,A., Dr. (M) Faculty Fellow Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	43.24	36
1048	Unexplored new reactivity of triarylbismuths as threefold atom-economic reagent in cross-coupling reactions	DST-SERB-CRG	Rao,M.L., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	41.51	36
1049	Unraveling the interplay of reorganization energy, driving force & electronic coupling on the rate of electron transfer	DST-SERB-CRG	Hariharan,M., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	45.21	36
1050	Unraveling the mechanism of ultrafast exciton delocalization in organic photovoltaic thin films through spatially-resolved femtosecond two-dimensional electronic spectroscopy	DST-SERB-CRG	Tiwari,V., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	69.23	36
1051	Unveiling innovative & smart applications of different important nanomaterial systems along with their photophysical & dynamical understandings in solution as well as complex cellular environments	DST-SERB-CRG	Sarkar,N., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	58.29	36
1052	Visible-light mediated photocatalytic approach to biologically significant heterocyclic employing dithioesters & their derivatives	DST-SERB-CRG	Singh,M.S., Prof. (M) Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	61.41	36
1053	Engineering biological macromolecules for light harvesting	DST-SERB-ECRA	Gupta,A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore Bypass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	24.42	36
1054	Advanced hybrid nanomaterials & their photocatalytic efficiency towards solar fuel generation through Co2 reduction: A quantum chemical exploration	DST-SERB-EMEQ	Saha,S., Dr. (F) Scientist CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	22.88	36
1055	Atomistic simulations for investigating electronic structure of aluminium based self-healing alloys & its relationship with self-healing mechanism	DST-SERB-EMEQ	Hansda,S., Dr. (M) Scientist CSIR-Central Electrochemical Research Institute College Road Karaikudi - 630 006 Tamil Nadu	30.04	36
1056	Catalysts for hydrogen generation from catalytic decomposition of formic acid, hydrazine etc. hydrogen enriched compounds	DST-SERB-EMEQ	Mandal,K., Dr. (M) Assistant Professor Ramakrishna Mission Vivekananda Centenary College P.O. Rahara; P.S. Khardaha Chennai - 700 118 Tamil Nadu	10.84	36
1057	Catalytic sequential C-H activation for the generation of triazole-fused heterocyclic compounds	DST-SERB-EMEQ	Likhar,P.R., Dr. (M) Sr. Principal Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 607 Telangana	42.00	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1058	Conversion of 11-Azaartemisinin into novel amino derivatives as an antimalarial and anticancer agents	DST-SERB-EMEQ	Verma,V.P., Dr. (M) Associate Professor Banasthali Vidyapeeth Banasthali - 304 022 Rajasthan	43.73	36
1059	Design & development of novel small molecule & biophysical studies for drug designing process	DST-SERB-EMEQ	Majhi,A., Dr. (M) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	51.74	36
1060	Design & synthesis of biologically relevance fused heterocycles via C-H activation/oxidative cyclization/tandem processes	DST-SERB-EMEQ	Penta,S., Dr. (M) Assistant Professor National Institute of Technology (Raipur) G.E. Road Raipur - 492 010 Chhattisgarh	28.42	36
1061	Design & synthesis of electrically conductive metal-organic hybrids: A promising next generation conductive materials	DST-SERB-EMEQ	Khakhlyar,P., Dr. (M) Assistant Professor Dibrugarh University Dibrugarh - 786 004 Assam	40.59	36
1062	Designing of nanoreactors for Carbon Dioxide (CO <sub>2</sub> ) conversion into useful chemicals	DST-SERB-EMEQ	Pawar,R., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	47.69	36
1063	Development of imidazole-based luminescent material for selective & sensitive recognition of biologically anions & their biomedical application	DST-SERB-EMEQ	Jali,B.R., Dr. (M) Assistant Professor Veer Surendra Sai University of Technology P.O. Burla Engineering College Sambalpur - 768 018 Odisha	39.21	36
1064	Development of intracellular fluorescent chemosensor for various metal ions using experimental & computational methods	DST-SERB-EMEQ	Takhellambam,S.S., Dr. (M) Assistant Professor Assam University East Road Silchar - 788 011 Assam	36.57	36
1065	Development of processes for high import value fluorinated drug & agro intermediates	DST-SERB-EMEQ	Kumbhare,R.M., Dr. (M) Senior Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 607 Telangana	36.86	36
1066	Development of self-assembled hierarchical porous nanostructures carbonaceous/metal oxide/conducting polymer based hybrid electrode materials & their electrochemical study	DST-SERB-EMEQ	Oraon,R., Dr. (M) Assistant Professor Central University of Jharkhand Ratu-Lohardaga Road, Brambe Ranchi - 835 205 Jharkhand	42.66	36
1067	Diversification of Azines to identify potent anti-malarial agents via metal-catalyzed site-selective C-H functionalization	DST-SERB-EMEQ	Kuram,M.R., Dr. (M) Scientist CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension, Sitapur Road Lucknow - 226 031 Uttar Pradesh	27.56	36
1068	Fluorescence detection of activity & inhibition of histone deacetylases	DST-SERB-EMEQ	Roopa, Dr. (F) Assistant Professor I.K. Gujral Punjab Technical University Near Pushpa Gujral Science City, Ibban Kapurthala - 144 603 Punjab	29.12	36
1069	Investigation of the protein-DNA interactions to provide mechanistic insights into the kinetics of DNA bending using bulk & single molecule spectroscopy	DST-SERB-EMEQ	Mandal,S.S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	44.93	36
1070	Magnetic field dependent charge-transport in nanometric chiral molecular films	DST-SERB-EMEQ	Mondal,P.C., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	46.65	36

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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1071	Metallosupra molecular complexes with bioactive pyramiding derivatives: Materials for advanced applications	DST-SERB-EMEQ	Das,S., Dr. (M) Assistant Professor National Institute of Technology (Patna) Ashok Rajpath Patna - 800 005 Bihar	42.85	36
1072	Nano groups of uniform materials based on organic salts (Nano-Gumbos) & their nanocomposites with inorganic materials: Design, synthesis & photophysics	DST-SERB-EMEQ	Das,S.K., Dr. (M) Assistant Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 430 West Bengal	48.30	36
1073	New synthetic molecular containers for recognition & extraction of anionic substrates	DST-SERB-EMEQ	Saha,I., Dr. (M) Assistant Professor Ramakrishna Mission Residential College Bridge on The Lake, Narendrapur Kolkata - 700 103 West Bengal	34.78	36
1074	Nitrogen-rich high energy density materials from acetonitrile functionalized Azoles	DST-SERB-EMEQ	Kumar,D., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	46.72	36
1075	Phenalenyl & quinonoid radical mediated electrocatalytic reduction of carbon dioxide into valuable organic molecules	DST-SERB-EMEQ	Das,H.S., Dr. (M) Assistant Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 430 West Bengal	40.34	36
1076	Quantitative analysis of noncovalent interactions of organic solids for photosensitive Schottky barrier diode behavior	DST-SERB-EMEQ	Seth,S.K., Dr. (M) Assistant Professor Jadavpur University 188, Raja Subodh Chandra Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	41.47	36
1077	Studies of the adsorption dynamics of CO <sup>2</sup> on photocatalyst surfaces & subsequent conversion into value added chemicals under light irradiation	DST-SERB-EMEQ	Roy,N., Dr. (M) Assistant Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 430 West Bengal	36.29	36
1078	Synthesis, structure, solution chemistry & the study of luminescence property of oxidovanadium(IV/V) complexes incorporating N,O-donor hydrazones ligands	DST-SERB-EMEQ	Mondal,B., Dr. (M) Assistant Professor Ramakrishna Mission Vivekananda Centenary College Akhil Mukherjee Road, Chowdhary Para, Rahara Kolkata - 700 118 West Bengal	10.54	36
1079	Thiophene fused Aza-Azulene based conjugated systems for organic electronic devices	DST-SERB-EMEQ	Patel,A.L., Dr. (M) Associate Professor Maharaja Sayajirao University of Baroda Sayajigunj Vadodara - 390 002 Gujarat	36.76	36
1080	Two-dimensional porous organic nano-sheets for recognition & separation of organic micro-pollutants	DST-SERB-EMEQ	Mandal,A.K., Dr. (M) Senior Scientist CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar - 364 002 Gujarat	39.64	36
1081	Two-dimensionally tailored conductive polymer networks for multi-functional applications	DST-SERB-EMEQ	Menamparambath,M.M., Dr. (F) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 600 Kerala	34.21	36
1082	Synthesis of musk & its analogues: New entities, process optimization & structure-odour understanding	DST-SERB-IRRD	Gharpure,S.J., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.14	36
1083	A computational investigation on the role of metals & side chain mutations in engineered myoglobins	DST-SERB-SRG	Jindal,G., Dr. (F) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	32.23	24

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1084	Anomalously new generation of stable & high efficient fluoranthene based blue & white phosphorescent organic light emitting diodes	DST-SERB-SRG	Nutalapati,V., Dr. (M) Assistant Professor S.R.M. Institute of Science & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	25.08	25
1085	Aqueous Na-ion batteries with organic anodes for loead-leveling applications	DST-SERB-SRG	Banerjee,A., Dr. (M) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	24.94	24
1086	Bifunctional iron catalysts for acceptorless dehydrogenation reactions: Towards the development of environmentally friendly catalysts	DST-SERB-SRG	Sinha,A., Dr. (M) Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	27.17	24
1087	Catalytic installation of stereodefined C-F bond	DST-SERB-SRG	Raharoy,S., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.11	24
1088	Cationic 4(Pi)-electrocyclization cascade for the expedient synthesis of biologically relevant pyrrolidine derivatives with multiple stereogenic centers	DST-SERB-SRG	Narayan,R., Dr. (M) Assistant Professor Indian Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	26.45	24
1089	Design & syntheses of diradicaloid cyclohepta [Def] fluorene derivatives: Closed-shell or open-shell?	DST-SERB-SRG	Das,S., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	27.83	24
1090	Design & synthesis of small molecules to target nucleic acids structures for therapeutic applications: Targeting riboswitches for antibacterial therapy	DST-SERB-SRG	Rode,A.B., Dr. (M) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 001 Haryana	19.32	24
1091	Design of modular peptide nanotubes platforms by the self-assembly of shortest helical building blocks for application as ion channel Mimic	DST-SERB-SRG	Mondal,S., Dr. (M) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	27.28	29
1092	Developing gold carbene catalysis for cross-coupling chemistry	DST-SERB-SRG	Ghosh,T., Dr. (M) Assistant Professor Maulana Abul Kalam Azad University of Technology Haringhata Kolkata - 700 064 West Bengal	26.95	24
1093	Developing superior noble metal-free oxygen evolution catalyst for electrochemical water oxidation and metal-air battery	DST-SERB-SRG	Gupta,A., Dr. (F) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	24.64	24
1094	Development & applications of Nmr methods for qualitative & quantitative analysis of curcuminoids	DST-SERB-SRG	Chaudhari,S.R., Dr. (M) Scientist CSIR-Central Food Technological Research Institute Cheluvamba Mansion, Devaraja Mohalla, CFTRI Campus, Kajjijhundi Mysore - 570 020 Karnataka	23.65	27
1095	Development of a multi-scale modelling framework for non-covalent interactions	DST-SERB-SRG	Sadhukhan,M., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	19.90	24
1096	Development of hematite based sustainable floating photocatalyst for transformation of Atrazine & Bisphenol A	DST-SERB-SRG	Saha,A., Dr. (M) Scientist CSIR-Central Scientific Instruments Organization Sector-30C Chandigarh - 160 030 Chandigarh	22.10	25



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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1097	Development of long-lived multi-photon luminescent probes based on transition metal complexes for biological applications	DST-SERB-SRG	Sarma,M., Dr. (F) Assistant Professor K.L. University Greenfields, Vaddeswaram Guntur - 522 502 Andhra Pradesh	21.89	24
1098	Development of mixed dimensional lead (Pb2+) halide perovskite (Mdhp) solar-cells for clean fuel production through water splitting	DST-SERB-SRG	Gupta,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) GEC Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	27.39	29
1099	Development of new asymmetric transformations via synergistic photoredox-organocatalysis	DST-SERB-SRG	Chauhan,P., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	26.67	24
1100	Development of novel polymer based edible coating for food preservation	DST-SERB-SRG	Subramani,R., Dr. (M) Assistant Professor P.S.G.R. Krishnammal College for Women Avinashi Road, Peelamedu Coimbatore - 641 004 Tamil Nadu	20.19	24
1101	Discovery of efficient nano-porous materials for utilization of expelled toxic gases from coal-fired power plants	DST-SERB-SRG	Pillai,R.S., Dr. (M) Assistant Professor S.R.M. Institute of Science & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	18.70	24
1102	Dual visible-light & temperature responsive smart hydrogels	DST-SERB-SRG	Kumar,K., Dr. (M) Senior Scientist CSIR-Central Scientific Instruments Organization Sector-30C Chandigarh - 160 030 Chandigarh	21.49	24
1103	Effect of external electric field on the electronic structure & reactivity of metallocarbene complexes	DST-SERB-SRG	Mallick,D., Dr. (M) Assistant Professor Presidency College 86/1 College Street Kolkata - 700 073 West Bengal	24.31	24
1104	Electrochemical reduction Co2 using a Mechanically interlocked molecule (Mim) as a catalyst	DST-SERB-SRG	Mitra,R., Dr. (M) Assistant Professor Indian Institute of Technology (Goa) Goa Engineering College Campus, Farmagudi Ponda - 403 401 Goa	27.06	29
1105	Environmental risk assessment of plastics additives: Analytical methodologies, comparative studies & degradation by engineered nanomaterials	DST-SERB-SRG	Rani,M., Dr. (F) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	30.33	24
1106	Exploring chemotactic & catalytic properties of oligonucleotides for designing of self-powered nanomotors	DST-SERB-SRG	Maiti,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S.Nagar Mohali - 140 306 Punjab	27.80	24
1107	Exploring the anticancer potential of high-valent organometallic rhenium(V)-Oxo piano-stool complexes	DST-SERB-SRG	Patra,M., Dr. (M) Reader Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Navy Nagar, Colaba Mumbai - 400 005 Maharashtra	24.56	24
1108	Folding, structure & engineering of proteins with a Hopf-link	DST-SERB-SRG	Sengupta,I., Dr. (F) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	32.01	24
1109	Glucose-responsive DNA hydrogels for Insulin delivery	DST-SERB-SRG	Pal,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) Gec Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	27.23	24

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1110	Group 11 metal-polyhydride compounds for the synthesis of superatom nanoclusters: Structural characterization, photophysical properties, catalytic & biomedical applications	DST-SERB-SRG	Chakrahari,K.K., Dr. (M) Assistant Professor S.R.M. Institute of Science & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	22.99	24
1111	Investigation of decomposition pathways for water-/proton reduction molecular catalysts: Rational design of longer-lived catalysts with earth-abundant transition metals	DST-SERB-SRG	Mazumder,S., Prof. (M) Assistant Professor Grade 1 Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	21.34	29
1112	Light assisted selective oxidation of plant biomass with rational design of confined metal oxide/nitride based photocatalyst	DST-SERB-SRG	Patra,A.K., Dr. (M) Assistant Professor Kalyani University Block C Kalyani - 741 245 West Bengal	24.64	24
1113	Light-induced switchable molecular magnets based on 3d-5d heterometallic assemblies	DST-SERB-SRG	Mondal,A., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	25.41	24
1114	Merging of visible light photoredox & bio-inspired catalysis for C-H functionalizations	DST-SERB-SRG	Rana,S., Dr. (M) Assistant Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 014 West Bengal	27.08	24
1115	Modulating peptide receptor engineering strategy for cancer biomarker detection	DST-SERB-SRG	Bandyopadhyay,A., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	23.91	29
1116	Molecular calcium hydrides supported by indenyl & fluorenyl ligands with a pendant N-heterocyclic carbene donor for olefin hydrogenation catalysis	DST-SERB-SRG	Mukherjee,D., Prof. (M) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	29.81	24
1117	Molecular devices fabrication for charge-transport measurements: Replacing metal electrodes by carbon electrode	DST-SERB-SRG	Mondal,P.C., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	26.73	24
1118	Multifunctional Cu <sub>2</sub> O@Cu <sub>2</sub> Se nanostructures for selective electrochemical reduction of Co <sub>2</sub> to value added products	DST-SERB-SRG	Maduraiveeran,G., Dr. (M) Assistant Professor S.R.M. Institute of Science & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	21.45	24
1119	Nature-inspired smart surfaces with extreme wettability for separation & solute transport	DST-SERB-SRG	Singh,V.J., Dr. (M) Assistant Professor Dr. B.R. Ambedkar National Institute of Technology Jalandhar - 144 011 Punjab	25.46	24
1120	N-heterocycle based indolizidine natural products & analogues for anticancer drugs development	DST-SERB-SRG	Parida,B.B., Dr. (M) Assistant Professor Berhampur University Berhampur - 760 007 Odisha	27.66	24
1121	Nitrogen-doped renewable carbon supported cobalt catalyst for selective hydrogenation of arenes & heteroarenes	DST-SERB-SRG	Natte,K., Dr. (M) Senior Scientist CSIR-Indian Institute of Petroleum Dehradun - 248 005 Uttarakhand	21.49	29
1122	Optimizing luminescent carbon dots for photocatalytic solar water splitting: A metal co-catalyst free approach for solar fuel generation	DST-SERB-SRG	Bhattacharyya,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Government ITI Building Berhampur - 760 010 Odisha	31.79	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1123	Photo mechanical response of anthracene based solid state materials driven by reversible [4+4] cycloaddition reaction & their nonlinear optical properties	DST-SERB-SRG	Medishetty,R., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) Gec Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	26.40	24
1124	Plasmonic janus nanoparticle for photocatalysis	DST-SERB-SRG	Govindrao,V., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	32.01	24
1125	Probing the electrochemical events of organic molecules by interference-free electrochemical surface-enhanced Raman Spectroscopy (Ec-Sers)	DST-SERB-SRG	Palanisamy,T., Dr. (M) Scientist CSIR-Central Electrochemical Research Institute College Road Karaikudi - 630 003 Tamil Nadu	26.35	24
1126	Promoting water oxidation reaction with electrochemically synthesized ultrathin layered double hydroxide nanosheets	DST-SERB-SRG	Indra,A., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	26.51	24
1127	Quantitative estimation of N→π* interaction in biomolecules: A quantum chemical calculation study	DST-SERB-SRG	Kumar,S., Dr. (M) Assistant Professor Magadh University Gaya-Dobhi Road, Bodhgaya, Turi Khurd Gaya - 824 234 Bihar	11.11	24
1128	Ribosomally synthesized & post-translationally modified peptide natural products: Mechanistic investigation of the antibiotic bottromycin biosynthetic pathway	DST-SERB-SRG	Mahanta,N., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	29.04	24
1129	Self-calibrated & drift-free electrochemical biosensors using dual frequency & dual reporter approach	DST-SERB-SRG	Manickam,P., Dr. (M) Scientist CSIR-Central Electrochemical Research Institute College Road Karaikudi - 630 003 Tamil Nadu	25.81	24
1130	Semisynthetic approach to focused libraries of gingerol, shogaol, & nimbin analogs: Synthesis, structure-activity relationship, mechanism of inhibition & biological screening	DST-SERB-SRG	Pushparathinam,G., Dr. (M) Assistant Professor S.R.M. Institute of Science & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	19.91	24
1131	Silylium ion induced multi functionalization & its applications to total synthesis	DST-SERB-SRG	Hazra,C.K., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.10	24
1132	Structure-properties relationships of sodium ion electrolytes based on hydrophobic ionic liquids & deep eutectic solvents	DST-SERB-SRG	Das,S.K., Dr. (M) Assistant Professor North Bengal University Raja Ram Mohanpur Darjeeling - 734 013 West Bengal	28.10	24
1133	Study of solar cell from quantum thermodynamic perspective	DST-SERB-SRG	Ghosh,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	23.20	24
1134	Supported single-manganese-atom electrocatalysts: Understanding manganese-support interactions, enhanced stability & application as oxygen electrodes in electrochemical devices under acidic electrolytic conditions	DST-SERB-SRG	Aijaz,A., Dr. (M) Assistant Professor Rajiv Gandhi Institute of Petroleum Technology Mubarakpur Mukhtia, Jais Amethi - 201 304 Uttar Pradesh	23.65	24
1135	Synthesis of highly stable Zr-based mixed-linker Metal-organic frameworks (Mofs) for humidity control & gas separation	DST-SERB-SRG	Aggarwal,H., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	21.98	24

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1136	Synthesis of new Bay-alkylated terrylene derivatives for small molecular & polymeric semiconductors	DST-SERB-SRG	Samanta,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.01	24
1137	Synthesis of reusable metal-free photocatalysts for visible light aided generation of Benzyne intermediate: A key route of C-C & C-hetero-atom bond formation	DST-SERB-SRG	Gazi,S., Dr. (M) Assistant Professor University of Science & Technology Techno City, Killing Road, Baridua 9th Mile Ri-Bhoi - 793 101 Meghalaya	23.02	24
1138	Uncovering the contribution of the Afd neuron specific genes to heat shock response dynamics	DST-SERB-SRG	Sharma,R., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-Pass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	26.40	24
1139	Unraveling the dynamics of excitation-energy & electron transfer processes in artificial photosynthetic systems	DST-SERB-SRG	Mandal,S., Dr. (M) Assistant Professor National Institute of Technology (Tiruchirapalli) Tanjore Main Road, National Highway 67 Tiruchirappalli - 620 015 Tamil Nadu	26.29	24
1140	Appraisal of options for resource recovery & recycling from sewage sludge	DST-SSTP	Garg,A., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Centre for Environmental Science & Engineering, Powai Mumbai - 400 076 Maharashtra	75.60	36
1141	Synthesis of biodegradable polymer for carry bag using biomass wastes	DST-SSTP	Sahoo,A., Prof. (F) National Institute of Technology (Rourkela) Department of Chemical Engineering Rourkela - 769 008 Odisha	19.16	36
1142	Laser additive manufacturing of tungsten carbide tool for friction stir welding of aluminum to steel	DST-SYST	Chakraborty,S.S., Dr. (M) Scientist CSIR-Central Mechanical Engineering Research Institute M.G. Avenue Durgapur - 713 209 West Bengal	37.05	36
1143	Synthesis of high strength & corrosion resistant nanostructures stainless steels by selective laser melting	DST-SYST	Shamanth,V., Dr. (M) Associate Professor Reva University Rukmini Knowledge Park, Kattigenahalli, Yelahanka Bengaluru - 560 064 Karnataka	34.30	36
1144	ALN-SiC lossy ceramic composite for the application in high power microwave tube (CCTWT)	DST-WOS-A	Maharana,R., Dr. (F) Defence Metallurgical Research Laboratory (DMRL) Hyderabad - 500 058 Telangana	33.36	36
1145	Analytical modeling of DNA drug intercalative binding mechanism	DST-WOS-A	Marimuthu,M.V., Dr. (F) Indian Institute of Science Education & Research (Pune) Pashan Pune - 411 008 Maharashtra	27.15	36
1146	Anti-carcinogenic potential & mechanism of ginger phytochemical zerumbone & its synthetic analogues against human breast cancer	DST-WOS-A	Tripathi,P., Dr. (F) CSIR-Central Food Technological Research Institute Mysore - 570 020 Karnataka	34.53	36
1147	Antioxidant cosmetotextiles: Durable nano-encapsulated Vitamin E finishes on textile fabrics & its controlled release study	DST-WOS-A	Narayanasamy,S., Dr. (F) The South India Textile Research Association (SITRA) Coimbatore - 641 014 Tamil Nadu	33.33	36
1148	Bioelectrochemical CO <sub>2</sub> fixation by microbial electrosynthesis: Process intensification & subsequent production of biofuels	DST-WOS-A	Gunturu,B., Dr. (F) Anna University Chennai - 600 025 Tamil Nadu	23.14	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1149	Catalytic oxidation of VOCs & diesel exhaust on Mn & Co supported Cex-Al <sub>2</sub> O <sub>3</sub> -x & Srx-Al <sub>2</sub> O <sub>3</sub> -x catalyst	DST-WOS-A	Waikar,J.M., Ms. (F) Institute of Chemical Technology Mumbai - 400 019 Maharashtra	24.28	36
1150	Chemical reactions & energy transfer in atmospheric N <sub>2</sub> /O <sub>2</sub> /Ar - Boron nitride surface collisions: Applications in modelling spacecraft materials	DST-WOS-A	Majumder,M., Dr. (F) Indian Institute of Technology (Jodhpur) Jodhpur - 342 037 Rajasthan	34.15	36
1151	Chemical/Electrochemical water oxidation catalytic activity with substituted Imidazolin-2-ylidene/ Imidazolidin-2-ylidene based complexes	DST-WOS-A	Kaur,A., Dr. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.54	36
1152	Chiral calix-crowns for asymmetric phase transfer catalyst	DST-WOS-A	Sharma,P.R., Dr. (F) Indian Institute of Technology (Jodhpur) Jodhpur - 342 037 Rajasthan	34.69	36
1153	Controlled synthesis of nanostructured zirconium oxides from porous frameworks for applications as supercapacitor	DST-WOS-A	Mukherjee,G., Dr. (F) CSIR-National Chemical Laboratory Dr.Homi Bhabha Road Pune - 411 008 Maharashtra	31.87	36
1154	Development of catalytic reaction strategies for the synthesis & functionalization of potential bioactive heterocyclic molecules	DST-WOS-A	Dewan,A., Dr. (F) Tezpur University Tezpur - 784 028 Assam	29.45	36
1155	Development of nano M <sub>2</sub> +WO <sub>4</sub> (M <sub>2</sub> + = Co,Ni,Cu & Zn) for the photocatalytic degradation of organic dyes	DST-WOS-A	Khanam,S., Ms. (F) Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	16.67	36
1156	Development of nano-scintillators for photodynamic therapy & multimodal bio-imaging	DST-WOS-A	Gupta,J., Dr. (F) Bhabha Atomic Research Centre Mumbai - 400 085 Maharashtra	34.62	36
1157	Development of nucleic acid analogues containing metallo base pairs	DST-WOS-A	Naithani,N., Dr. (F) Institute of Nano Science & Technology Phase 10 Mohali - 160 062 Punjab	32.43	36
1158	Development of stable & luminescent hybrid organic-inorganic nano-composites of Pb-free / Pb-based perovskite quantum dots for LED applications	DST-WOS-A	Mehra,S., Dr. (F) CSIR-National Physical Laboratory Pusa Road New Delhi - 110 012 Delhi	20.24	36
1159	Ecofriendly synthesis of novel azaphenothiazine(s) & azonia-spiro compounds & study their biological activities & also study the catalytic behavior of synthesized azaphenothiazines	DST-WOS-A	Gupta,A., Dr. (F) Delhi University Delhi - 110 007 Delhi	37.30	36
1160	Effect of bimolecular confinements on the proton & charge transfer dynamics	DST-WOS-A	Jadhav,A.S., Dr. (F) Savitribai Phule Pune University Pune - 411 007 Maharashtra	29.22	36
1161	Elucidation of binding interactions between human proteins & sulfanilamide drugs through biophysical techniques	DST-WOS-A	Mavani,A.M.A., Ms. (F) National Institute of Technology (Nagaland) Dimapur - 797 103 Nagaland	18.58	36
1162	Enantioselective synthesis of 1, 3-disubstituted ferrocenes via transition metal catalyzed meta-C-H activation	DST-WOS-A	Vasanthakumari,S.M.N., Dr. (F) Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	33.93	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1163	Enantioselective synthesis of Aryl derivatives of $\beta$ -Alanine/ $\gamma$ -Amino butyric acid through C (sp <sup>3</sup> )-H activation (Palladium catalysis) & Biophysical studies of their Homo ( $\beta/\gamma$ )/hHybrid ( $\alpha$ , $\beta/\alpha$ , $\gamma$ ) - Pept	DST-WOS-A	Mohanlal,S., Dr. (F) National Institute of Science Education & Research Khurda - 752 050 Odisha	28.85	36
1164	Fabrication of gold nanoparticles embedded drug eluting polyesteramide coating for cardiovascular stents	DST-WOS-A	Shah,P.M., Ms. (F) Narsee Monjee Institute of Management Studies SVKMs, Swami Marg, Vile Parle (W) Mumbai - 400 056 Maharashtra	24.87	36
1165	Glycoside decorated platinum functionalized gold nanoparticles: A therapeutic strategy in the pursuit of prospective cancer cell-selective nanomedicine	DST-WOS-A	Yadav,S., Dr. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	32.18	36
1166	Interface development between bioreceptor & graphene for cortisol sensing	DST-WOS-A	Parveen, Ms. (F) CSIR-Central Scientific Instruments Organization Chandigarh - 160 030 Chandigarh	20.14	36
1167	Low cost nano-fibrous based catalyzed filters for diesel exhaust emission control	DST-WOS-A	Tanwar,M.D., Dr. (F) CSIR-National Environmental Engineering Research Institute Nagpur - 440 020 Maharashtra	33.44	36
1168	Machine-learning molecular dynamics model from ab initio molecular dynamics target	DST-WOS-A	Raghunathan,S., Dr. (F) International Institute of Information Technology Hyderabad - 500 032 Telangana	31.68	36
1169	Medicinal chemistry of natural products from selected Indian medicinal plants to discover potential anticancer agents	DST-WOS-A	Sharma,V., Dr. (F) CSIR-Indian Institute of Integrative Medicine Canal Road Jammu - 180 001 Jammu & Kashmir	32.91	36
1170	MnO <sub>2</sub> /ZrO <sub>2</sub> based electrocatalyst for non-enzymatic sensing of glucose	DST-WOS-A	Manjushree,S.G., Ms. (F) Siddaganga Institute of Technology Tumkur - 572 103 Karnataka	20.58	36
1171	Modified metal oxides as efficient photoanodes for DSSC	DST-WOS-A	Prajapati,N., Ms. (F) Maharaja Sayajirao University of Baroda Vadodara - 390 002 Gujarat	23.40	36
1172	Pollutant detection & control using N-confused tetraphenyl porphyrin & its metal complexes	DST-WOS-A	Vivekanand,M., Ms. (F) Institute of Chemical Technology Mumbai - 400 019 Maharashtra	20.13	36
1173	Structure-based design & synthesis of cysteine protease inhibitors as anti-malarial agents	DST-WOS-A	Irfan,I., Dr. (F) Jamia Millia Islamia New Delhi - 110 025 Delhi	37.38	36
1174	Syntheses, characterizations & applications of luminescent metal organic frameworks	DST-WOS-A	Chouhan,A., Dr. (F) Motilal Nehru National Institute of Technology Allahabad - 211 004 Uttar Pradesh	27.95	36
1175	Synthesis & characterization of doped/undoped semiconductor quantum dots & their application as photocatalyst & sensor	DST-WOS-A	Patel,J., Dr. (F) Principal Government V.Y.T.P.G. College Smriti Nagar, Durg Bhilai - 490 020 Chhattisgarh	18.64	36
1176	Synthesis & physicochemical studies of new Surface Active Ionic Liquids (SAILs) & their interactions with bioactive compounds	DST-WOS-A	Mahajan,S., Dr. (F) Indian Institute of Technology (Jammu) Jammu - 181 221 Jammu & Kashmir	31.07	36

BROAD SUBJECT AREA : CHEMICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1177	Synthesis of cost effective environmental friendly luminescent materials for solid-state-lighting devices	DST-WOS-A	Lohia,N., Ms. (F) CSIR-National Physical Laboratory Pusa Road New Delhi - 110 012 Delhi	17.41	36
1178	Synthesis of novel derivatives of thieno (3, 2-c) pyran & their anticancer (breast and lung) properties	DST-WOS-A	Yadav,S., Dr. (F) Delhi University Delhi - 110 007 Delhi	32.95	36
1179	Synthesis of polymer films having low dielectric constant	DST-WOS-A	Shrivastava,D.R., Dr. (F) Pillai College of Engineering Mahatma Education Society's Mumbai - 410 206 Maharashtra	27.80	36
1180	Synthesis of small molecules based on redox active natural products & their evaluation as antimicrobial agents	DST-WOS-A	Mamgain,R., Dr. (F) Agharkar Research Institute Pune - 411 004 Maharashtra	36.68	36
1181	Synthesis of unsymmetrical ureaderivative pillar [5] arenas & their biological applications	DST-WOS-A	Patil,S.V., Ms. (F) Savitribai Phule Pune University Pune - 411 007 Maharashtra	24.60	36
1182	Synthesis, characterization & device fabrication of some new ion conducting nanocomposite polymer electrolytes	DST-WOS-A	Chandra,A., Dr. (F) Shri Shankaracharya Institute of Professional Management & Technology Sejbahar Raipur - 492 015 Chhattisgarh	27.59	36
1183	Targeting Alzheimer's: Selective detection with GM1 oligosaccharide decorated porphyrin dendrimers	DST-WOS-A	Das,R., Dr. (F) Indian Institute of Science Education & Research (Kolkata) Kolkata - 741 246 West Bengal	37.05	36
1184	Theoretical studies on unfolding the mystery of RNA: As an application towards biomedical & green electronics	DST-WOS-A	Srivastava,R., Dr. (F) CSIR-Centre for Cellular & Molecular Biology Hyderabad - 500 007 Telangana	24.10	36
1185	Tin & Germanium based nanostructured anode materials for Li ion battery	DST-WOS-A	Ambalkar,A.A., Ms. (F) Centre for Materials for Electronics Technology (C-MET) Panchawati Pune - 411 008 Maharashtra	28.68	36
1186	Sulfide based solid electrolytes for all sodium lithium ion batteries	ISRO-RESPOND	Bharathi,K., Dr. (F) Assistant Professor S.R.M. Institute of Science & Technology Research Institute & Department of Physics, S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	26.82	24
1187	Development of hybrid battery power module with indigenously developed supercapacitor & Li-ion Cell, NEIST Jorhat	MEITY-R&D	Saikia,B.K., Dr. (M) Scientist CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	247.70	36
1188	MEAN: Measuring Endocrine Disrupting Chemicals (EDC) & Aquatic diagnostics through Bio-Sensory Network, by CDAC-Kolkata, ICAR & CIFRI for north-east regions	MEITY-R&D	Bhattacharya,N., Dr. (M) Associate Director Centre for Development of Advanced Computing (C-DAC) Plot E-2/1, Block GP, Sector V, Salt Lake Kolkata - 700 091 West Bengal	189.89	24
Total Cost of 430 Projects Under: <b>Chemical Sciences</b>				15,161.90	

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1189	Bioavailability of metals in the estuarine mudflat-mangrove sediments & their accumulation in edible benthic biota, west coast of India	CSIR-ES	Nayak,G.N., Dr. (M) Goa University Department of Marine Science Goa - 403 206 Goa	7.20	36
1190	Development of combined flow sheet for the production of magnesia & potassium salts from marine bittern	CSIR-ES	Panda,C., Dr. (M) CSIR-Institute of Minerals & Materials Technology Department of Environment & Sustainability Bhubaneswar - 751 013 Odisha	10.20	36
1191	Steps towards validation of hydrochemical precursory changes with reference to (future) M>5 earthquake in Koyna-Warna region, Maharashtra (India)	CSIR-ES	Dontireddy,V.R., Dr. (M) CSIR-National Geophysical Research Institute Division of Isotope Hydrology Hyderabad - 500 007 Telangana	10.20	36
1192	Study of atmospheric trace gases over the Indian region	CSIR-ES	Lal,S., Dr. (M) Physical Reserch Laboratory Division Space & Atmospheric Sciences Ahmedabad - 380 009 Gujarat	10.20	36
1193	Biochemical cycling of barium isotopes in the Bay of Bengal: Implication to water mass tracing	CSIR-GS	Singh,S.P., Dr. (M) Indian Institute of Science Education & Research (Bhopal) Department of Earth & Environmental Science Bhopal - 462 066 Madhya Pradesh	19.00	36
1194	Experimental & computational studies of surface water quality parameters from morphometry & spectral characteristics	CSIR-GS	Anmala,J., Prof. (M) Birla Institute of Technology & Science (Pilani) Department of Civil Engineering Hyderabad - 500 078 Telangana	21.00	36
1195	Physio-chemical factors influencing aerosol hygroscopicity during fog, its effect on aerosol radioactive properties & fog nowcasting: A study in the context of regional climate change over eastern India	CSIR-GS	Das,S.K., Dr. (M) Bose Institute Kolkata - 700 054 West Bengal	19.00	36
1196	Seismic strengthening of unreinforced masonry buildings using ferrocement bands	CSIR-GS	Singhal,V., Dr. (M) Indian Institute of Technology (Patna) Department of Civil & Environmental Engineering Patna - 801 106 Bihar	11.50	36
1197	Structural & petrological evolution across south Delhi fold belt: The geodynamic evolution of the Precambrian terrane of northwestern India	CSIR-GS	Chatterjee,S.M., Dr. (F) Jadavpur University Department of Geological Science Kolkata - 700 032 West Bengal	15.50	36
1198	Towards developing near real time flash flood risk monitoring scheme over India	CSIR-GS	Mishra,A.K., Dr. (M) Sathyabama University Centre for Remote Sensing & Geographic Information Chennai - 600 119 Tamil Nadu	6.00	36
1199	Modeling & simulation of environmental and occupational epidemiology data in Indian context: An ontology based data mining approach	CSIR-SS	Agarwal,S., Dr. (F) Indian Institute of Information Technology Allahabad - 211 015 Uttar Pradesh	12.50	36
1200	A framework for modelling interdependence healthcare critical infrastructure during extreme events	DST-NGP	Durbha,S., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Centre of Studies in Resources Engineering, Powai Mumbai - 400 076 Maharashtra	20.01	24
1201	Appraisal & management of multi hazards of Sagar Island, West Bengal	DST-NGP	Roy,P.K., Dr. (M) Professor Jadavpur University School of Water Resources Engineering Kolkata - 700 032 West Bengal	35.53	24



BROAD SUBJECT AREA : EARTH SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1202	Assessment of regional hydrological system using space geodesy - Ganga basin	DST-NGP	Kumar,M.R., Dr. (M) Reader CSIR-National Geophysical Research Institute Hyderabad - 500 007 Telangana	21.77	36
1203	Assessment of regional hydrological systems using space borne gravity observation: Assessment of deformation due to hydrological loading in Garhwal- Kumaon Himalaya	DST-NGP	Chamoli,A., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Department of Earth Sciences Roorkee - 247 667 Uttarakhand	18.70	36
1204	Assessment of regional hydrology using space borne gravity observations: Roust estimation of deformation due to hydrological loading in NE- India & upper Ganga river basin	DST-NGP	Vijayan,M.S.M., Dr. (M) Senior Scientist CSIR-Fourth Paradigm Institute Multi-Scale Modelling Programme, Wind Tunnel Road, Belur Bengaluru - 560 037 Karnataka	19.12	36
1205	Assessment of seasonal variation in hydrology & cryosphere of upper Ganga basin	DST-NGP	Singh,V., Dr. (M) Scientist D National Institute of Hydrology Roorkee - 247 667 Uttarakhand	23.20	36
1206	Assessment of seasonal variation in hydrology & cryosphere of upper Ganga basin	DST-NGP	Dimri,A.P., Prof. (M) Jawaharlal Nehru University School of Environmental Sciences New Delhi - 110 067 Delhi	25.07	36
1207	Auto BIM automatic discovery & construction of Building Information Model (construction & geo-mapping of building information & energy model	DST-NGP	Mishra,S., Dr. (M) Assistant Professor National Institute of Science Education & Research School of Computer Sciences Bhubaneswar - 752 050 Odisha	18.84	24
1208	BIM to GIS integration & Geospatial processing	DST-NGP	Jain,K., Dr. (M) Professor Indian Institute of Technology (Roorkee) Department of Civil Engineering Roorkee - 247 667 Uttarakhand	31.74	24
1209	Central facilities & coordination of the project- Assessment of regional hydrological system using space borne gravity observations	DST-NGP	Tiwari,V.M., Dr. (M) Director CSIR-National Geophysical Research Institute Hyderabad - 500 007 Telangana	265.39	36
1210	Decision support system for land use/land cover management in Nanjanagudu taluk using Remote Sensing & GIS techniques	DST-NGP	Jaynath, Dr. (M) Associate Professor G.S.S.S. Institute of Engineering & Technology for Women Metagalli Mysore - 570 016 Karnataka	9.69	24
1211	Developing a spatial data infrastructure with application in urban transport	DST-NGP	Maitra,B., Prof. (M) Head Indian Institute of Technology (Kharagpur) Ranbir & Chitra Gupta School of Infrastructure Design & Management & Civil Engineering Kharagpur - 721 302 West Bengal	28.88	24
1212	Development of high-resolution Coastal Relief Model (CRM) - A demonstrative case study in Gulf of Khambhat	DST-NGP	Ramakrishan,B., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Department of Civil Engineering, Powai Mumbai - 400 076 Maharashtra	34.76	24
1213	Drought & heat stress assessment using the grace gravity records in major river basins of India	DST-NGP	Panda,D.K., Dr. (M) Principal Scientist ICAR-Indian Institute of Water Management Chandrasekhar Bhubaneswar - 751 023 Odisha	20.68	36
1214	Evaluating basin - scale estimates of evapotranspiration using space-based observation	DST-NGP	Syed,T.H., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Department of Applied Geology Dhanbad - 826 004 Jharkhand	21.43	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1215	Evaluating of anthropogenic pressures impact on hydrological processes over the Ganga river basin space borne gravity observations	DST-NGP	Tiwari,V.M., Dr. (M) Director CSIR-National Geophysical Research Institute Hyderabad - 500 007 Telangana	22.97	36
1216	Evaluating of the soil moisture estimated using combination of water budget model & grace data	DST-NGP	Muddu,S., Prof. (M) Indian Institute of Science Department of Civil Engineering Bengaluru - 560 012 Karnataka	28.55	36
1217	Exploring possibility of expansion of irrigated areas through micro irrigation system for food security in commands of eastern Rajasthan by Geospatial technologies	DST-NGP	Punia,M.P., Mr. (M) Head Birla Institute of Scientific Research Status Circle Jaipur - 302 001 Rajasthan	43.60	36
1218	FLO-COASTA - Flood vulnerability mapping of Pondicherry, Cuddalore, Sirkazhi region, Tamil Nadu	DST-NGP	Kumar,R.S., Dr. (M) Assistant Professor SASTRA University School of Civil Engineering, Thirumalisamudram Thanjavur - 613 401 Tamil Nadu	23.18	24
1219	Geospatial location estimation & navigation in autonomous sensor network/smart city	DST-NGP	Kumar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Patna - 801 103 Bihar	28.85	24
1220	Geospatial monitoring of micro plastic hazards along Gulf of Mannar marine biosphere reserve, Tamil Nadu	DST-NGP	Kumar,S.R., Prof. (M) Alagappa University Department of Biomedical Sciences Karaikudi - 630 003 Tamil Nadu	34.69	36
1221	Groundwater assessment of regional hydrological system using space borne gravity observation	DST-NGP	Mondal,N.C., Dr. (M) Senior Scientist CSIR-National Geophysical Research Institute Hyderabad - 500 007 Telangana	37.35	36
1222	Identification, assessment & model building of urban morphology using Geospatial techniques	DST-NGP	Mishra,S., Dr. (M) Assistant Professor Tripura University Suryamaninagar - 799 022 Tripura	20.40	24
1223	Impact of 2018 Kerala floods on the oceanographic parameters & sea level variations along Kerala coast	DST-NGP	Hatha,R.A.A.M., Prof. (M) Cochin University of Science & Technology Department of Marine Biology, School of Marine Sciences Kochi - 682 016 Kerala	31.47	24
1224	Mapping active tectonic movements at the east coast by CORS GPS & MT-InSAR	DST-NGP	Rai,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Centre for Oceans, Rivers, Atmosphere & Land Sciences Kharagpur - 721 302 West Bengal	49.03	36
1225	Modeling spatial intelligence of Pallikaranai-Muttukadu micro-watershed of greater Chennai region-flood occurrences & return period estimation for sustainable urban storm water management	DST-NGP	Jaganathan,R., Dr. (M) Professor & Head Madras University Department of Geography Chennai - 600 025 Tamil Nadu	33.10	24
1226	Natural Centre in Geodesy	DST-NGP	Dikshit,O., Prof. (M) Indian Institute of Technology (Kanpur) Department of Civil Engineering Kanpur - 208 016 Uttar Pradesh	2114.04	60
1227	Prediction of coastal zone vulnerability due to sea level rise under the changing climate	DST-NGP	Behera,M.R., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Department of Civil Engineering, Powai Mumbai - 400 076 Maharashtra	37.71	24

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1228	River - Aquifer exchanges hydrogeological study for watershed management of Betwa rain basin	DST-NGP	Gaur,S., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	24.51	24
1229	Shapley value-based ambulance repositioning using spatial- temporal data	DST-NGP	Amit,R.K., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Department of Management Studies Chennai - 600 036 Tamil Nadu	16.86	24
1230	Spatio temporal air quality data monitoring & prediction using moving vehicles	DST-NGP	Biyani,P., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Department of Electronics & Communication Engineering, Hauz Khas New Delhi - 110 016 Delhi	32.28	24
1231	Standard city GML data model strategy for consistent modelling of slums smart cities across India	DST-NGP	Vyas,A., Prof. (F) Executive Director Centre for Environment Planning & Technology University Center for Advanced Geomatics Ahmedabad - 380 009 Gujarat	25.14	24
1232	Vulnerability analysis & risk assessment of coastal hazards with special reference to coastal erosion along Odisha coast - a study use Geospatial technology	DST-NGP	Panda,G.K., Prof. (M) Institute of Green Energy & Geospatial Technology Jagatsinghpur - 754 111 Odisha	46.43	24
1233	A model-based inquiry into the radiative forcing of urban heat island effects in search of mitigation strategies suitable for the tropics	DST-SERB-CRG	Chatterjee,S., Prof. (M) Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	34.95	36
1234	A multidimensional study on the archosaur reptiles from the late Triassic of India: Assessing fossilization pathways, vertebrate diversity, palaeoecosystem & palaeobiogeography	DST-SERB-CRG	Ray,S., Prof. (F) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	30.94	36
1235	Appraisal of the neogene vegetation shift & climate change in northern India, based on plant mega fossils	DST-SERB-CRG	Srivastava,G., Dr. (M) Scientist C Birbal Sahni Institute of Palaeosciences Lucknow - 226 007 Uttar Pradesh	23.32	36
1236	Ascertaining the causes of late quaternary glacier advances across the precipitation gradient in NW Himalaya	DST-SERB-CRG	Sharma,S., Dr. (F) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	52.25	36
1237	Delineating the factors affecting biogenic carbonate dissolution in the western Bay of Bengal & reconstructing its temporal variation during the last glacial-interglacial interval	DST-SERB-CRG	Saraswat,R., Dr. (M) Senior Scientist CSIR-National Institute of Oceanography Dona Paula - 403 004 Goa	48.02	36
1238	Development of 3-E defluoridation assembly for sustainable removal of fluoride from drinking water	DST-SERB-CRG	Kumar,N., Dr. (M) Assistant Professor Babasaheb Bhimrao Ambedkar University Vidya Vihar, Raebareli Road Lucknow - 226 025 Uttar Pradesh	33.64	36
1239	Development of novel methods for deconvolution & denoising of seismic reflection data	DST-SERB-CRG	Karthikeyan,E., Dr. (M) Assistant Professor S.R.M. University Ap Mangalagiri Neerukonda Tadikonda Road, Mangalagiri Mandal Guntur - 522 502 Andhra Pradesh	25.90	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1240	Estimation of actual evaporation from running water using stable water isotopes ( $\Delta^{18}\text{O}$ & $\Delta\text{d}$ )	DST-SERB-CRG	Maurya,A.S., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	37.08	36
1241	Evaluating the role of Thar Desert in contributing "Natural mineral dust" to downwind atmospheric dust in northern India & the Himalayan foothill	DST-SERB-CRG	Singh,S.P., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore By-pass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	68.30	36
1242	Exposure assessment of inhalable bioaersols: Characterization, identification & toxicological profile	DST-SERB-CRG	Satsangi,G.P., Dr. (F) Assistant Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	55.91	36
1243	Genesis of gold mineralization in the gadag greenstone belt, western Dharwar craton: Constrains from metamorphism, ore mineralogy, geochemistry & fluid evolution	DST-SERB-CRG	Chinnasamy,S.S., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	38.59	36
1244	Geochemical & Nd-Sr isotopic constraints of the gneisses, metabasites & metasedimentary rocks of the Mangalwar Complex (BGC-II) of the central Rajasthan, Aravalli craton, NW India: Implications for sedimentary & magmatic protoliths & regional correlation	DST-SERB-CRG	Mondal,M.E.A., Prof. (M) Aligarh Muslim University Aligarh - 202 002 Uttar Pradesh	39.38	36
1245	Geophysical study of freshwater lens dynamics of islands of the Lakshadweep archipelago, southwest India	DST-SERB-CRG	Poulose,P.C., Dr. (M) Scientist Centre for Water Resources Development & Management Kunnamangalam Kozhikode - 673 571 Kerala	42.22	36
1246	Influence of micro-domain phase variation on kinematic & metamorphic reactions in assessing petrological evolution of rocks	DST-SERB-CRG	Dutta,U., Dr. (F) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	27.06	36
1247	Integrated atmospheric-hydrological modeling system to assess the impact of climate change on water resources in the Banas river basin, Rajasthan	DST-SERB-CRG	Sharma,D., Dr. (M) Associate Professor Central University of Rajasthan NH 8, Bandarsindri Ajmer - 305 817 Rajasthan	23.82	36
1248	Investigation of soil moisture, energy balance & cloud interactions in a changing climate scenario	DST-SERB-CRG	Kadiri,S., Dr. (F) Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar Tirupati - 517 507 Andhra Pradesh	49.79	36
1249	Isotopic evolution of terrestrial reservoirs in open system models of the earth & its implication for crust-mantle differentiation & distribution of chemical heterogeneity in the mantle	DST-SERB-CRG	Paul,D., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	20.02	36
1250	Land use/land cover change modeling & sustainable development of water resources in the Ghaghara river basin	DST-SERB-CRG	Singh,S.K., Dr. (M) Assistant Professor Allahabad University Allahabad - 211 002 Uttar Pradesh	29.81	36
1251	Magnetic nanoparticles toxicity in earthworm Sp. Eisenia fetida: A comprehensive toxicity study on magnetite, zinc ferrite, cobalt ferrite & nickel ferrite nanoparticles	DST-SERB-CRG	Rathore,D.S., Dr. (M) Assistant Professor Moharlal Sukhadia University Ganeshpura Udaipur - 313 001 Rajasthan	34.83	36

BROAD SUBJECT AREA : EARTH SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1252	Metallogenetic evolution of gold (+ PGE) mineralization with implications for crust-mantle processes, invisible gold & role of organic matter linked to mineralization events in parts of Archean Singhbhum orogenic belts	DST-SERB-CRG	Akella,V.S., Prof. (M) Head Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	51.80	36
1253	Nature & evolution of lithosphere beneath the offshore Bengal basin, Bay of Bengal	DST-SERB-CRG	Krishna,K.S., Prof. (M) Head Hyderabad University Hyderabad - 500 046 Telangana	28.60	36
1254	Organic biomarkers as key to decipher the water column & sedimentary biogeochemical processes in the Arabian Sea oxygen minimum zone	DST-SERB-CRG	Kurian,S., Dr. (F) Principal Scientist CSIR-National Institute of Oceanography Dona Paula - 403 004 Goa	37.72	36
1255	Organic matter & sulfide controlled molybdenum sequestration in marine sediments: Deciphering the past redox conditions	DST-SERB-CRG	Mazumdar,A., Dr. (M) Principal Scientist CSIR-National Institute of Oceanography Dona Paula - 403 004 Goa	39.54	36
1256	Palaeodietary habit(s) in deep time, linkages to producer taxa, & palaeoenvironmental inferences utilizing mesozoic-cenozoic fossilized faecal matter (Coprolites) from India	DST-SERB-CRG	Kapur,V.V., Dr. (M) Scientist-C Birbal Sahni Institute of Palaeosciences 53, University Road Lucknow - 226 007 Uttar Pradesh	28.02	36
1257	Precambrian tectonic evolution of the basement rocks & associated supracrustals in the Aravalli Craton (NW India): Insights from the Bhilwara Deogarh transect	DST-SERB-CRG	Naraga,P., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	51.51	36
1258	Proposition of new failure criteria & evaluation of damage evolution for rock materials under triaxial compression, with reference to weathering grades	DST-SERB-CRG	Basu,A., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	61.82	36
1259	Remote Sensing based hydrologic budget of the Subarnarekha river basin	DST-SERB-CRG	Krishna,A.P., Prof. (M) Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	27.39	36
1260	Space weather studies of ionosphere using multi-frequency GNSS based TEC & scintillations measurements	DST-SERB-CRG	Singh,A.K., Prof. (M) Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	41.23	36
1261	Structural geometry, kinematics of deformation, grain scale deformation mechanisms & geothermobarometry of the east-central part of the Mahakoshal belt, central India: Implication on the tectonic evolution of the central Indian tectonic zone	DST-SERB-CRG	Mukherjee,M.K., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	69.85	36
1262	Study of spatio-temporal distribution in the F- & as levels in environmental matrices of F-contaminated districts of UP (Unnao, Kanpur & Raebareilly) & its relationship with the soil chemistry	DST-SERB-CRG	Mallick,S., Dr. (M) Scientist CSIR-National Botanical Research Institute Rana Pratap Marg, Post Box No. 436 Lucknow - 226 001 Uttar Pradesh	33.69	36
1263	Study on the genesis of barite & chrysotile mineralization in vempalle formation, Cuddapah basin, Andhra Pradesh	DST-SERB-CRG	Pandian,M.S., Prof. (M) Pondicherry University Chinna, Kalpet Puducherry - 605 014 Puducherry	27.76	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1264	Subsurface variability of the Bay of Bengal from observations & models: Relationship with Indian monsoon & cyclogenesis	DST-SERB-CRG	Sil,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 013 Odisha	22.00	36
1265	Succession of microbial communities & palaeoclimate of Antarctica during the periods of Pliocene, Pleistocene & Holocene	DST-SERB-CRG	Singh,S.M., Dr. (M) Associate Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	54.72	36
1266	The inter-relationship between atmospheric aerosol distribution & tropical intraseasonal oscillations over the Indian region	DST-SERB-CRG	Velu,V., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 013 Odisha	33.05	36
1267	Understanding particle toxicity & its association with chemical constituents of ambient particulate matter in India: From local to regional spatial scales	DST-SERB-CRG	Phuleria,H.C., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	42.70	36
1268	Vulnerability of Bay of Bengal coastline to tropical cyclones	DST-SERB-CRG	Neetu,S., Dr. (F) Senior Scientist CSIR-National Institute of Oceanography Dona Paula - 403 004 Goa	18.65	36
1269	Vulnerability of tribal women affected from dual effects of biomass & tobacco smoke: A biomarker based cross-sectional study	DST-SERB-CRG	Mondal,N.K., Dr. (M) Professor Burdwan University Rajbati, Raiganj Burdwan - 713 104 West Bengal	30.26	36
1270	WRF-Chem model for understanding the feedback mechanism of aerosols on clouds & rainfall over India	DST-SERB-CRG	Bhavar,R.L., Dr. (F) Assistant Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	27.66	36
1271	Development of pine resin based engineered biochar-hydrogel composite for controlled-release fertilizers & heavy metal removal	DST-SERB-EMEQ	Das,S.K., Dr. (M) Senior Scientist ICAR-National Organic Farming Research Institute Tadong Gangtok - 737 102 Sikkim	20.05	36
1272	Glacier dynamics & associated processes in Shishram glacier, east Lidder valley, Kashmir Himalaya	DST-SERB-EMEQ	Linda,A., Dr. (M) Assistant Professor Central University of Himachal Pradesh P.O. Box No. 21, District Dharamashala Kangra - 176 215 Himachal Pradesh	39.06	36
1273	Groundwater quality evaluation around coal mining area of Madhya Pradesh & development of heavy metal pollution index with emphasis on its remediation	DST-SERB-EMEQ	Das,P., Dr. (F) Assistant Professor Indira Gandhi National Tribal University Kapil Dhara Road, Mekal Sadan, District Anuppur Amarkantak - 484 887 Madhya Pradesh	37.69	36
1274	Methodology for rapid detection, characterization & 3-D representation & risk zone identification of hot spots soil salinity in Rohtak district, Haryana using electromagnetic induction & Remote Sensing techniques	DST-SERB-EMEQ	Narjary,B., Dr. (M) Scientist ICAR-Central Soil Salinity Research Institute Zarifa Farm, Kachhwa Road Karnal - 132 001 Haryana	41.40	36
1275	Monitoring the crustal & dam deformations induced by the seasonal loading & unloading of Idukki Reservoir in Kerala, south India using ground & space Geodetic techniques	DST-SERB-EMEQ	Sukumaran,S.P., Dr. (M) Associate Professor Cochin University of Science & Technology Thrikkakara, South Kalamassery Kochi - 682 022 Kerala	40.47	36
1276	Remote Sensing based risk assessment of coal fires in Jharia Coalfield, India	DST-SERB-EMEQ	Raju,A., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	39.97	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1277	Role of vegetated coastal habitats & estuarine ecosystem to manage blue carbon sequestration: Analysis of climate change impacts & hydrological processes in Gad Estuary (Maharashtra) using geospatial techniques & hydrological models	DST-SERB-EMEQ	Sapkale,J.B., Dr. (M) Professor Shivaji University Vidyanagar Kolhapur - 416 004 Maharashtra	32.45	36
1278	Sub-seasonal to seasonal forecast of agricultural drought and estimation of crop yield reduction using machine learning approaches	DST-SERB-EMEQ	Dutta,D., Dr. (F) Assistant Professor Vidyasagar University Rangamati Midnapore - 721 102 West Bengal	27.35	36
1279	Synergistic effect of climate change mediated ocean acidification & warming on physiological responses in some economically important shellfishes of West Bengal	DST-SERB-EMEQ	Mandal,S., Dr. (M) Assistant Professor Presidency College 86/1 College Street Kolkata - 700 073 West Bengal	42.39	36
1280	A non-Newtonian fluid model for the dissipation rate of interfacial waves	DST-SERB-SRG	Rajan,G.K., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	20.39	29
1281	A numerical study of submesoscale processes driven by river plumes in the Bay of Bengal region	DST-SERB-SRG	Chalamalla,V.K., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	26.18	24
1282	Chemical speciation & airway deposition modeling of bulk & size-segregated aerosols in residential microenvironments from three northeast Indian states: Implications for human exposure	DST-SERB-SRG	Sarkar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) Vpo Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	29.33	29
1283	Construction of a reduced model for investigating dispersion of pollutants by atmospheric wave turbulence in the atmospheric boundary layer	DST-SERB-SRG	Sen,A., Dr. (M) Assistant Professor Thapar Institute of Engineering & Technology Adarsh Nagar, Prem Nagar Patiala - 147 004 Punjab	32.92	24
1284	Development of wavelength modulated tuneable diode laser spectrometer for atmospheric gas sensing & quantification	DST-SERB-SRG	Chandrasekaran,V., Dr. (M) Sr. Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	24.98	24
1285	Glacial chronology, palaeoclimatic reconstruction & their climatic implications in the Darma valley, Kumaon Himalaya, India	DST-SERB-SRG	Bisht,P., Dr. (F) Wadia Institute of Himalayan Geology 33, General Mahadeo Singh Road Dehradun - 248 001 Uttarakhand	24.11	24
1286	Ground motion modelling in active shallow crustal regions across India	DST-SERB-SRG	Bora,S.S., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Gandhinagar) Gandhi Nagar, Chandkheda Ahmedabad - 382 355 Gujarat	26.28	24
1287	Interactive desktop tool for nonstationary intensity-duration-frequency curves under climate change	DST-SERB-SRG	Srivastav,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Settipalli Tirupati - 517 506 Andhra Pradesh	16.47	24
1288	Investigation of dry air intrusion over the Arabian sea & its implications on Indian summer monsoon	DST-SERB-SRG	Sukumaran,S., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	14.66	24

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1289	Methane emission from tropical aquatic networks: Elucidating the underpinning mechanisms & landscape-level drivers	DST-SERB-SRG	Thottathil,S.D., Dr. (M) Assistant Professor S.R.M. University Ap Mangalagiri Neerukonda Tadikonda Road, Mangalagiri, Mandal Guntur - 522 502 Andhra Pradesh	30.23	29
1290	Mineralogical, fluid inclusion & geochemical studies of gold mineralization in & around Girar, Lalitpur district, Uttar Pradesh	DST-SERB-SRG	Sahoo,A.K., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	28.89	24
1291	Seismic analysis of sub-seafloor gas migration over an arctic methane hydrate retreat zone	DST-SERB-SRG	Sarkar,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	24.28	29
1292	Stable isotopic & molecular composition of vegetation & soil organic matter across the precipitation gradient of the western ghats	DST-SERB-SRG	Managave,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	33.00	29
1293	Study of variation in the flow hydrodynamics around a circular bridge Pier in a sand mined stream channel	DST-SERB-SRG	Deshpande,V., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	27.27	24
1294	Tracing the impact of late cenozoic climatic transitions on the erosion rates of Himalaya	DST-SERB-SRG	Mandal,S.K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	29.59	24
1295	Assessment of socioecological vulnerability to climate change among agroforestry managers along an altitude gradient in the eastern Himalayas assessment of socio-ecological vulnerability..	DST-SPLICE-CCP	Nath,A.J., Dr. (M) Assistant Professor Assam University Silchar - 788 011 Assam	224.98	36
1296	Assessment of variability in glacier melt & snow melt runoff under projected climatic scenarios for data scarce Himalayan river basins	DST-SPLICE-CCP	Bhadra,A., Dr. (F) Associate Professor North Eastern Regional Institute of Sciences & Technology Nirjuli Itanagar - 791 109 Arunachal Pradesh	69.41	36
1297	Centre for Excellence in Climate Change	DST-SPLICE-CCP	Romshoo,S.A., Prof. (M) Kashmir University Department of Earth Science, Hazratbal Srinagar - 190 006 Jammu & Kashmir	785.27	60
1298	Climate change & sustainability of agricultural practices & livelihoods in eastern Himalayas: Case studies in northeastern region, India	DST-SPLICE-CCP	Mahanta,R., Dr. (M) Associate Professor Gauhati University Department of Economics Guwahati - 781 014 Assam	210.34	36
1299	Climate change impact assessment on some threatened Taxa & their possible regeneration & conservation strategies to support rural livelihoods in a part of the eastern Himalaya	DST-SPLICE-CCP	Tanti,B., Dr. (M) Professor Gauhati University Department of Botany Guwahati - 781 014 Assam	136.46	36
1300	Climate change impact mitigation for a climate resilient habitat	DST-SPLICE-CCP	Devi,A., Dr. (F) Head & Associate Professor Tezpur University Department of Environmental Science Tezpur - 784 028 Assam	635.66	60



## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1301	DST's Centre of Excellence on Water Resources, Cryosphere & Clmate Change Studies	DST-SPLICE-CCP	Misra,A.K., Mr. (M) Sikkim University Gangtok - 737 102 Sikkim	680.45	60
1302	Impact of climatic & anthropogenic forcing's on geodiversity & ecosystem services of Uttarakhand Himalayas: Implication for sustainable policy development	DST-SPLICE-CCP	Sundriyal,Y.P., Dr. (M) Professor Hemwati Nandan Bahuguna Garhwal University Department of Geology Garhwal - 249 161 Uttarakhand	206.34	36
1303	Long-term ecological monitoring of forest plots in Mizoram, northeast India	DST-SPLICE-CCP	Tripathi,S.K., Prof. (M) Mizoram University Tanhri Aizawal - 796 004 Mizoram	244.68	36
1304	Net ecosystem production & carbon dynamics of forest ecosystems in north east India in relation to altitude & latitude gradient: Implications for carbon sink management	DST-SPLICE-CCP	Sahoo,U.K., Dr. (M) Professor Mizoram University Department of Forestry Aizawal - 796 004 Mizoram	186.53	36
1305	Strengthening of MP State Knowledge Management Centre on Climate Cell	DST-SPLICE-CCP	Thakkar,L., Mr. (M) Environmental Planning & Coordination Organization Department of Environment Bhopal - 462 016 Madhya Pradesh	281.26	60
1306	Sustainable water resources in eastern Himalaya	DST-SPLICE-CCP	Sitharam,T.G., Dr. (M) Professor & Director Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	269.24	36
1307	Vulnerability profiles for India: State & district level	DST-SPLICE-CCP	Dasgupta,S., Dr. (M) Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	80.52	6
1308	Integrated Low Pressure Membrane System (ILPMS) for water purification & disinfection	DST-SYST	Singh,S.P., Mr. (M) Assistant Professor Indian Institute of Technology (Bombay) Department of Environmental Science & Engineering, Powai Pune - 400 076 Maharashtra	46.91	36
1309	Hydraulic design of ash disposal system of thermal plant to minimize the heavy metal contamination of ground water	DST-TIASN	Kumar,S., Dr. (M) Professor National Institute of Technology (Jamshedpur) Jamshedpur - 831 014 Jharkhand	22.21	36
1310	A comparative study on the tectonothermal history of the Chhotanagpur Gneissic complex & evolution of the granitoid rocks from two selected sectors of Saltora-Santuri & Dumka in eastern India	DST-WOS-A	Roy,P., Dr. (F) Calcutta University Kolkata - 700 073 West Bengal	16.33	36
1311	Active faults & paleoseismological studies in selected sectors along the Himalayan frontal thrust, Naga thrust & the Mishmi thrust within the quaternaries, north eastern India	DST-WOS-A	Chakrabarti,C.G., Dr. (F) Calcutta University 35, Ballygunge Circular Road Kolkata - 700 019 West Bengal	32.29	36
1312	Aerosol-boundary layer interaction & its role in fog events over Indo-Gangetic plains	DST-WOS-A	Bharali,C., Dr. (F) Dibrugarh University Dibrugarh - 786 004 Assam	29.08	36
1313	Amelioration & bioenergy plantation on mine spoil using composite biochar fertilizer	DST-WOS-A	Mukhopadhyay,S., Dr. (F) CSIR-Central Institute of Mining & Fuel Research Dhanbad - 828 108 Jharkhand	27.81	36

BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1314	Analysis of Holocene climate & vegetation around Tsomgo Lake, Sikkim: Implications from a high-altitude region in eastern Himalaya	DST-WOS-A	Mohanty,R.B., Dr. (F) Assam Agricultural University Jorhat - 785 013 Assam	29.30	36
1315	Analysis of the Holocene palaeoclimate at high altitude lakes in western Arunachal Pradesh, based on palynology, & mineral magnetism	DST-WOS-A	Mehrotra,N., Dr. (F) Birbal Sahni Institute of Palaeosciences Lucknow - 226 007 Uttar Pradesh	29.55	36
1316	Assessing plant residue effect on organic C-stock in soils of different agro-climatic regions of West Bengal under agricultural land use practice in relation to land productivity	DST-WOS-A	Majumder,B., Dr. (F) Bidhan Chandra Krishi Viswavidyalaya Mohanpur - 741 252 West Bengal	28.35	36
1317	Assessment of bioaerosols from municipal solid waste & their impacts on human health in Hyderabad city	DST-WOS-A	Shailaja,G.S.J., Dr. (F) CSIR-National Environmental Engineering Research Institute Nehru Marg Nagpur - 440 020 Maharashtra	32.95	36
1318	Basin configuration & paleogeography of the pre-cryogenian succession of lesser Himalayan succession of Kumaun Sector	DST-WOS-A	Jalal,P., Dr. (F) Kumaun University Nainital - 263 002 Uttarakhand	31.38	36
1319	Biochar from solid waste a sustainable green approach for solid waste management & climate change mitigation	DST-WOS-A	Sathyaranayanan,S.S., Dr. (F) Anna University Chennai - 600 025 Tamil Nadu	35.40	36
1320	Changing climate scenarios of J&K using climate models	DST-WOS-A	Mir,J.B., Ms. (F) Kashmir University Srinagar - 190 006 Jammu & Kashmir	18.70	36
1321	Cross-shore morphodynamics of a monsoon coast	DST-WOS-A	Anjali,S., Ms. (F) Nansen Environmental Research Centre (India) First Floor, KUFOS Amenity Centre Kochi - 682 506 Kerala	16.44	36
1322	Design intervention strategies for mitigating the impacts of heat waves through modified land cover	DST-WOS-A	Neethu,C., Ms. (F) CSIR-Fourth Paradigm Institute Bengaluru - 560 037 Karnataka	15.80	36
1323	Efficiency of mussel shells in bioadsorption of heavy metals from polluted waters & subsequent production of corresponding alloys & its characterization studies	DST-WOS-A	Sreedevi,P.R., Dr. (F) Bharathiar University Coimbatore - 641 046 Tamil Nadu	35.46	36
1324	Electromagnetic induction studies to provide conductivity structure of Andaman-Nicobar subductions zone	DST-WOS-A	Edara,A., Ms. (F) CSIR-National Geophysical Research Institute Uppal Road Hyderabad - 500 007 Telangana	16.80	36
1325	External & internal forcing on Indian temperature variability: Implications on ground water changes	DST-WOS-A	Bevara,P., Ms. (F) CSIR-National Geophysical Research Institute Hyderabad - 500 007 Telangana	15.83	36
1326	Facies analysis & petrographic studies of synorogenic neogene sequences in parts of Mizo hills, northeast India	DST-WOS-A	Das,S., Ms. (F) Assam University Silchar - 788 011 Assam	23.20	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1327	Fluoride & toxic metal contamination in great mica belt of Jharkhand: Geochemistry & health implications	DST-WOS-A	Giri,S., Dr. (F) CSIR-Central Institute of Mining & Fuel Research Barwa Road Dhanbad - 826 015 Jharkhand	31.60	36
1328	Geochemical assessment of water & soil quality in coal mining areas of Nagaland	DST-WOS-A	Ovung,T.M., Ms. (F) CSIR-National Geophysical Research Institute Uppal Road Hyderabad - 500 007 Telangana	18.20	36
1329	Geochemistry of basalt weathering in different climatic zones of deccan traps	DST-WOS-A	Patel,A., Ms. (F) Jawaharlal Nehru University Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	17.50	36
1330	Geomorphological evolution & climatic variations in the HorLa Basin, Ladakh range	DST-WOS-A	Joshi,P., Ms. (F) Birbal Sahni Institute of Palaeosciences Lucknow - 226 007 Uttar Pradesh	17.12	36
1331	Implementation of the advanced cyclogenesis index for north Indian Ocean under climate change scenario	DST-WOS-A	Suneeta,P., Mrs. (F) Andhra University Visakhapatnam - 530 003 Andhra Pradesh	19.35	36
1332	Influence of extra-tropical forcing on Asian monsoon agriculture & economy	DST-WOS-A	Sandhya,M., Dr. (F) Providence Women's College Malaparamba Kozhikode - 673 009 Kerala	24.86	36
1333	Influence of monsoon related drivers on the productivity of the west coast of India	DST-WOS-A	Suneela,S.S., Dr. (F) Kerala University of Fisheries & Ocean Studies Kochi - 682 506 Kerala	25.06	36
1334	Late quaternary - Holocene palaeo climate & sea level fluctuations from northwestern India: Evidence from multi proxy studies	DST-WOS-A	Raj,R., Dr. (F) Jawaharlal Nehru University Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	31.37	36
1335	Late quaternary mega floods in the rivers of western India: Generic processes & climate transitions	DST-WOS-A	Sridhar,A., Dr. (F) Maharaja Sayajirao University of Baroda Vadodara - 390 002 Gujarat	33.17	36
1336	Long-term climate & moisture variability in the diverse precipitation regimes within Indian Himalaya using speleothems as a proxy	DST-WOS-A	Bhatt,J.S., Dr. (F) Jawaharlal Nehru Centre for Advanced Scientific Research Jakkur Bengaluru - 560 064 Karnataka	32.13	36
1337	Morphotectonic evolution of SW Saurashtra, western India	DST-WOS-A	Vanik,N., Dr. (F) Maharaja Sayajirao University of Baroda Vadodara - 390 002 Gujarat	12.92	36
1338	Petrographic, mineralogical & geochemical proxies for significant climate change in the Permo-Triassic transition of the Pranhita-Godavari basin, south-central India	DST-WOS-A	Ghosh,S., Dr. (F) Calcutta University 35, Ballygunge Circular Road Kolkata - 700 019 West Bengal	30.07	36
1339	Radiogenic heat production studies on Malani Felsic province, N.W. India	DST-WOS-A	Biswal,S., Dr. (F) Anna University Chennai - 600 025 Tamil Nadu	29.86	36
1340	Spatial & temporal dynamics of greenhouse gas emission from two wetland ecosystems in Himalayan foothill	DST-WOS-A	Raturi,A., Ms. (F) Forest Research Institute Dehradun - 248 006 Uttarakhand	21.97	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1341	Stratospheric ozone layer depletion due to emission of greenhouse gases & CFCs from Asian region	DST-WOS-A	Chakraborty,T., Dr. (F) Indian Institute of Tropical Meteorology Pune - 411 008 Maharashtra	24.94	36
1342	Studies on day-to-day variability of vertical distribution of atmospheric aerosols using automatic twilight photometer	DST-WOS-A	Mane,P.B.R., Dr. (F) Fergusson College Pune - 411 004 Maharashtra	31.44	36
1343	TEC Data ingestion to ionosphere empirical models from Indian EIA region to improve model predictions	DST-WOS-A	Karia,S.P., Dr. (F) Sardar Vallabhbhai National Institute of Technology Ichchhanath Surat - 395 007 Gujarat	25.50	36
1344	Tectono-metamorphic evolution of calc-silicate rocks around Lunavada, Gujarat	DST-WOS-A	Nakul,G., Ms. (F) Maharaja Sayajirao University of Baroda Vadodara - 390 002 Gujarat	13.60	36
1345	The impact of global ocean warming on Indian monsoons	DST-WOS-A	Gopalapillai,P., Dr. (F) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	23.85	36
1346	Assessment of various oceanographic parameters and development of regional bio-optical algorithms for primary production estimates around eastern coast of Tamil Nadu	ISRO-RESPOND	Narayanan,R.M., Dr. (M) Professor Dr. M.G.R. Educational & Research Institute Maduravoyal Chennai - 600 095 Tamil Nadu	27.64	36
1347	Integrated post cyclone impacts on the chlorophyll biomass in the central & western Bay of Bengal	ISRO-RESPOND	Maneesha,K., Dr. (F) Scientist CSIR-National Institute of Oceanography Regional Centre 176, L.B. Colony Visakhapatnam - 530 017 Andhra Pradesh	19.62	24
1348	Urban seismic risk assessment	ISRO-RESPOND	Chandrasekaran, Dr. (M) Professor Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	19.88	36
1349	A comprehensive approach in understanding the acid mine drainage problem of Makum coalfield & its management	MOES-REACHOUT	Saikia,B.K., Dr. (M) CSIR-North East Institute of Science & Technology Polymer Petroleum & Coal Chemistry Group Jorhat - 785 006 Assam	45.64	36
1350	Age constraints on metamorphic evolution of the trans Himalaya	MOES-REACHOUT	Pant,N.C., Dr. (M) Professor Delhi University Delhi - 110 007 Delhi	59.06	36
1351	An integrated geophysical approach to understand hot-springs & geothermal resources of Odisha	MOES-REACHOUT	Rai,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Centre for Oceans, Rivers, Atmosphere & Land Science Kharagpur - 721 302 West Bengal	58.75	60
1352	Assimilation of ground radar data with Weather Research & Forecast (WRF) model in information theoretic framework	MOES-REACHOUT	Ramanujam,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) School of Mechanical Sciences, Permanent Campus, Arugul Jatni - 752 050 Odisha	23.50	36
1353	Attenuation structure of J&K Himalaya using Coda-Q tomography	MOES-REACHOUT	Supriyo,M., Dr. (F) Indian Institute of Science Education & Research (Kolkata) Department of Earth Sciences, Nadia Mohanpur - 741 246 West Bengal	31.41	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1354	Characterization & DNA barcoding of polychaetes from the south east Coast, India	MOES-REACHOUT	Ravi,M., Dr. (M) Scientist C Sathyabama University Chennai - 600 119 Tamil Nadu	34.53	36
1355	Comparative study of weathered/soil profiles developed on granitic & basaltic rocks of higher & lesser Himalaya in Garhwal region: Implication on climate-tectonic interaction	MOES-REACHOUT	Srivastava,P., Dr. (M) Scientist F Wadia Institute of Himalayan Geology 33, General Mahadeo Singh Road Dehradun - 248 001 Uttarakhand	48.99	36
1356	Crustal evolution of the eastern Madurai domain of granulite terrane of south India: A petrochronological study on granulite-facies rocks from the western part of the domain	MOES-REACHOUT	Sarkar,T., Dr. (M) Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	61.28	48
1357	Deep crustal & sub-crustal lithospheric structure beneath the Aravalli Delhi fold belt	MOES-REACHOUT	Mohan,G., Dr. (M) Indian Institute of Technology (Bombay) Department of Earth Sciences, Powai Mumbai - 400 076 Maharashtra	207.77	36
1358	Distribution of culture able marine micromonospora in mangrove ecosystems, Tamil Nadu	MOES-REACHOUT	Joseph,J., Dr. (F) Scientist D Sathyabama University Chennai - 600 119 Tamil Nadu	13.45	24
1359	Exploration of Pb isotope fractionation in fine lithic materials fate of Pb from source to sink	MOES-REACHOUT	Singh,S.P., Dr. (M) Indian Institute of Science Education & Research (Bhopal) Department of Earth & Environmental Sciences Bhopal - 462 066 Madhya Pradesh	27.65	24
1360	Fluoride hazards in drinking water, soil & plants, Odisha - origin, mobilization & remediation	MOES-REACHOUT	Paikaray,S., Dr. (F) Panjab University Department of Geology Chandigarh - 160 014 Chandigarh	10.15	12
1361	Great earthquake cycle and episodic slow-slip in interaction: Insight from analogue experimental approach	MOES-REACHOUT	Kundu,B., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Department of Earth & Atmospheric Science Rourkela - 769 008 Odisha	32.40	36
1362	Intra Plate Seismicity in India & Norway: Distribution, properties & causes - (IPSIN)	MOES-REACHOUT	Srinagesh,D., Dr. (M) CSIR-National Geophysical Research Institute Uppal Road Hyderabad - 500 007 Telangana	80.54	36
1363	Investigation of site properties for seismic hazard analysis in & around Varanasi city, Uttar Pradesh (India) using microtremor measurements	MOES-REACHOUT	Shankar,U., Dr. (F) Associate Professor Banaras Hindu University Department of Geophysics, Institute of Science Varanasi - 221 005 Uttar Pradesh	81.50	36
1364	Large scale model of the Himalayan crust using finite difference modelling of high & low frequency near field data & its effect on strong ground motion in central seismic gap region of Himalaya	MOES-REACHOUT	Joshi,A., Dr. (M) Indian Institute of Technology (Roorkee) Department of Earth Sciences Roorkee - 247 667 Uttarakhand	43.43	36
1365	Lithospheric thermal structure of the Singhbhum craton from heat flow heat production data & constraining upper mantle temperature from shear wave velocity	MOES-REACHOUT	Ray,L., Dr. (M) CSIR-National Geophysical Research Institute Division of Heat Flow, Uppal Road Hyderabad - 500 007 Telangana	38.37	36
1366	Mapping of dyke swarms & related units in space & time of the Indian shield using ArcGIS(TM), Google™ Earth images & field data: Implications for large Igneous provinces & emplacement systems	MOES-REACHOUT	Srivastava,R.K., Prof. (M) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	38.24	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1367	Numerical modelling on hydrodynamic stability analysis of tidal inlets	MOES-REACHOUT	Thiruvengatasamy,K., Dr. (M) Professor Academy of Maritime Education & Training Univrsity (AMET) Kanathur Chennai - 603 112 Tamil Nadu	21.79	36
1368	Petrographic & geochemical fingerprinting of the select ophiolite sequences from Himalayan & Naga Ophiolite belt	MOES-REACHOUT	Karmalkar,N.R., Dr. (M) Pune University Department of Geology Pune - 411 007 Maharashtra	65.80	60
1369	Relationship between shoreline changes & suspended sediment flow from source to sink system in the Bengal delta	MOES-REACHOUT	Maiti,S., Dr. (M) Indian Institute of Technology (Kharagpur) Department of Geology & Geophysics Kharagpur - 721 302 West Bengal	79.78	36
1370	Resolution of Himalayan & pre-Himalayan metamorphisms in the Kumaun Himalaya	MOES-REACHOUT	Joshi,M., Dr. (M) Banaras Hindu University Department of Geology Varanasi - 221 005 Uttar Pradesh	80.11	36
1371	Seismic hazard monitoring for north Bihar due to neighbouring Nepal Himalaya: Using GPS strain & seismicity	MOES-REACHOUT	Roy,P.N.S., Prof. (M) Indian Institute of Technology (Kharagpur) Department of Geology & Geophysics Kharagpur - 721 302 West Bengal	62.99	60
1372	Seismic network in Kumaun Himalaya (Phase-IV)	MOES-REACHOUT	Upadhyay,R., Prof. (M) Kumaun University Department of Geology Nainital - 263 002 Uttarakhand	179.66	36
1373	Sequence stratigraphy of Bagh Group of rocks, Narmada rift valley, central India: Its bearing on the late cretaceous paleogeography	MOES-REACHOUT	Bhattacharya,B., Dr. (M) Indian Institute of Technology (Roorkee) Department of Earth Sciences Roorkee - 247 667 Uttarakhand	53.15	36
1374	Studies on impact & response of ecologically important bacteria towards environmental stressors of Bhitarkanika Mangrove system	MOES-REACHOUT	Das,S., Dr. (M) Associate Professor National Institute of Technology (Rourkela) Rourkela - 769 008 Odisha	43.74	36
1375	Study of anomalous variations Solid Earth Tides & Atmosphere Parameters prior to the occurrence of devastating earthquakes-implications for earthquake forecasting (SETAP)	MOES-REACHOUT	Venkatanathan,N., Dr. (M) SASTRA University Department of Physics, School of Electrical & Electronic Engineering, Thirumalaisamudram Tanjore - 613 401 Tamil Nadu	35.62	36
1376	Sulfuric acid mediated weathering in the Ganga, Yamuna & the Brahmaputra (GYB) river basins: Constraints from sulfur & oxygen isotopes in dissolved sulfate	MOES-REACHOUT	Das,A., Dr. (M) Pandit Deendayal Petroleum University Raisan Gandhinagar - 382 007 Gujarat	41.12	36
1377	Support for ST radar facility at Advanced Centre for Atmospheric Radar Research (ACARR), Cochin University of Science & Technology (CUSAT), Kochi	MOES-REACHOUT	Abhilash,S., Dr. (M) Associate Professor Cochin University of Science & Technology Kochi - 682 022 Kerala	925.72	36
1378	Systematic & palaeoecological studies of Bryozoa from the cretaceous of Ariyalur-Pondichery sub basin, south India	MOES-REACHOUT	Sonar,M.A., Dr. (M) Assistant Professor Government Institute of Science P.G. Department of Geology, Nipatniranjan Nagar, Caves Road Aurangabad - 431 004 Maharashtra	21.99	36
1379	Terrane characterization across the NW Himalaya, Ladakh & Karakoram	MOES-REACHOUT	Singh,S., Prof. (M) Indian Institute of Technology (Roorkee) Department of Earth Sciences Roorkee - 247 667 Uttarakhand	74.54	36

## BROAD SUBJECT AREA : EARTH SCIENCES

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1380	User oriented M.Tech programme on ocean technology & management	MOES-REACHOUT	Murali,K., Prof. (M) Head Indian Institute of Technology (Madras) Department of Ocean Engineering Chennai - 600 036 Tamil Nadu	243.80	60
1381	Variation of paleostress & kinematics in the Schist belts & Granitoids of east & west Dharwar craton: Implications for gold mineralization	MOES-REACHOUT	Mamtani,M.A., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Department of Geology & Geophysics Kharagpur - 721 302 West Bengal	87.42	36
1382	Variation of paleostress & kinematics in the Schist belts & granitoids of east & west Dharwar craton: Implications for gold mineralization	MOES-REACHOUT	Bhatt,N.P., Prof. (M) Maharaja Sayajirao University of Baroda Vadodara - 390 002 Gujarat	21.25	36
1383	Variation of paleostress & kinematics in the Schist belts & granitoids of east & west Dharwar craton: Implications for gold mineralization	MOES-REACHOUT	Bhatt,N.Y., Dr. (M) Gujarat University M.G. Science Institute Ahmedabad - 380 009 Gujarat	21.18	36
1384	Variation of paleostress & kinematics in the Schist belts & granitoids of east & west Dharwar craton: Implications for gold mineralization	MOES-REACHOUT	Lakhmapurkar,J., Dr. (M) Deputy Director Gujarat Ecology Society Vadodara - 390 023 Gujarat	20.75	36
1385	Variation of paleostress & kinematics in the Schist belts & granitoids of east & west Dharwar craton: Implications for gold mineralization	MOES-REACHOUT	Chandra,R., Dr. (F) Senior Scientist Gujarat Institute of Desert Ecology Kachchh Bhuj - 370 001 Gujarat	21.32	36
1386	Variation of paleostress & kinematics in the Schist belts & granitoids of east & west Dharwar craton: Implications for gold mineralization	MOES-REACHOUT	Ravikumar,M., Dr. (M) Director General Institute of Seismological Research Gandhinagar - 382 007 Gujarat	19.82	36
1387	Water quality assessment of water sources of Lunglei district in Mizoram	MOES-REACHOUT	Malsawmtluanga, Dr. (M) Assistant Professor Government College Lunglei - 796 701 Mizoram	4.38	24
Total Cost of 199 Projects Under: <b>Earth Sciences</b>				13,649.68	

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1388	A comparative study & assessment of mental health of persons working in different organization using various human body parameters	AICTE-RP	Bordoloi,H., Ms. (F) Don Bosco College of Engineering & Technology Airport Road, Azara Guwahati - 781 017 Assam	3.50	36
1389	A cost effective miniature lab-on-chip device for screening of semen & embryo quality for Artificial Insemination (AI) in clinical IVF	AICTE-RP	Somasundaram,D., Dr. (M) Sri Shakthi Institution of Engineering & Technology Sri Shakthi Nagar, L & T By-Pass Road, Post Chinniyampalayam Coimbatore - 641 062 Tamil Nadu	6.50	36
1390	A design of smart antenna based mobile ad hoc network	AICTE-RP	Balakrishnan,S., Dr. (M) Dr. Ambedkar Institute of Technology Outer Ring Road, Mallathahalli Bengaluru - 560 056 Karnataka	10.00	36
1391	A novel approach for the design & implementation of wearable antennas by detecting the stages of brain tumor	AICTE-RP	Samy,V.K., Dr. (M) P.S.R.Engineering College Appayanaickenpatty, Sevalpatty, Sivakasi Virudhunagar - 626 140 Tamil Nadu	7.53	36
1392	A novel wireless sensor network deployment schemes for environment monitoring & earth sensing for urban areas	AICTE-RP	Patil,S., Dr. (M) P.D.A. College of Engineering Aiwan-E-Shahi Area, Station Road Gulbarga - 585 102 Karnataka	3.17	36
1393	A study on financial impact of SHGs scheme on rural women in western Maharashtra	AICTE-RP	Salunkhe,U., Dr. (M) Prin. L. N. Welingkar Institute of Management Development & Research Lakhamsi Napoo Road, Matunga (Central Railway) Mumbai - 400 019 Maharashtra	10.00	24
1394	A study on impact of design thinking based pedagogies on business school students	AICTE-RP	Patil,V., Dr. (F) Prin. L. N. Welingkar Institute of Management Development & Research Lakhamsi Napoo Road, Matunga (Central Railway) Mumbai - 400 019 Maharashtra	8.00	24
1395	A study on women empowerment & poverty alleviation through microcredit self-help groups in tribals of Tapi District	AICTE-RP	Patel,R., Dr. (M) Gujarat Vidyapith Center for Studies In Rural Management Gandhinagar - 382 620 Gujarat	10.65	24
1396	Accelerated carbonation curing of concrete: An effective way of carbon dioxide sequestration, carbon footprint reduction & water conservation	AICTE-RP	Goyal,S., Dr. (F) Thapar Institute of Engineering & Technology Bhadson Road Patiala - 147 004 Punjab	5.49	36
1397	ADMIT: Anomaly Detection using Machine Intelligence Techniques for mobile computing networks	AICTE-RP	Vijayakumar,B.P., Dr. (M) M.S. Ramaiah Institute of Technology Vidya Soudha, M.S.R. Nagar, Post MSRIT Bengaluru - 560 054 Karnataka	9.00	36
1398	An efficient eco-friendly hybrid PV-bio gas based micro turbine generator system	AICTE-RP	Kailasam,G., Dr. (M) K.L.N. College of Engineering Madurai - Nedunkulam Road, Pottapalayam Sivagangai - 630 611 Tamil Nadu	6.00	36
1399	An efficient low cost flexible quality conditioner to mitigate power quality issues	AICTE-RP	Mallala,B., Dr. (M) Chaitanya Bharathi Institute of Technology Gandipet, Kokapet Village, Rangareddy Hyderabad - 500 075 Telangana	11.00	36



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1400	An investigation of thermal resistivities of soil profile for the installation of UG LT/ HT cables & oil/gas pipelines in smart cities	AICTE-RP	Valluvan,R., Dr. (M) Velalar College of Engineering & Technology Perundurai Road, Thindal Post Erode - 638 012 Tamil Nadu	3.75	36
1401	Analysis of the quality & usefulness of higher education institutions with special reference to southern Tamil Nadu	AICTE-RP	Shanmuga,B., Dr. (M) Kalasalingam Academy of Research & Education Anand Nagar, Krishnankoil, Srivilliputtur Virudhunagar - 626 126 Tamil Nadu	5.00	24
1402	Analysis, design & verification of coordinated control for laboratory prototype hybrid AC-DC microgrid with IoT based cloud computation platform	AICTE-RP	Ghose,T., Dr. (M) Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	10.50	36
1403	Bi-directional battery charger for EV	AICTE-RP	Biswas,P., Dr. (M) J.I.S. College of Engineering Block-A, Phase-III, Kalyani Nadia - 741 235 West Bengal	8.00	36
1404	Caste based discrimination in higher education - A study of causes & eradication	AICTE-RP	Sankaralingam,P., Dr. (M) Academy of Maritime Education & Training Univrsity (AMET) No.135, East Coast Road, Kanathur, Reddykuppam, Kanchipuram Chennai - 603 112 Tamil Nadu	8.00	24
1405	Consumer & organizational buyer behavior & marketing strategy	AICTE-RP	Bhimavarapu,V.R., Dr. (M) KKR & KSR Institute of Technology & Sciences D.No. 646, 647 Vinjanampadu (Village), Vatticherukuru (Mandal) Guntur - 522 017 Andhra Pradesh	8.00	24
1406	Contours of board room governance: Value adding or value destroying?	AICTE-RP	Bhandarker,A., Dr. (F) International Management Institute B-10 Qutab Institutional Area, Tara Crescent New Delhi - 110 016 Delhi	5.00	24
1407	Copper smelters & its impact on the health of downstream people, the economic livelihood of its employees & waste management system. The case of sterlite copper in tuticorin, Tamil Nadu	AICTE-RP	Mohamed,K., Dr. (M) B.S. Abdur Rahman University B.S.A. Crescent Institute of Science & Technology, GST Road Vandalur Chennai Vandalur, Kanchipuram Chennai - 600 048 Tamil Nadu	4.39	24
1408	Cost versus seismic performance of reinforced concrete buildings designed for different force/response reduction factors	AICTE-RP	Chundupalle,S., Dr. (M) JNTUA College of Engineering Sir M Visweswaraiiah Road Anantapur - 515 002 Andhra Pradesh	4.10	36
1409	Design & development of a reusable electrochemical sensor for blood cholesterol monitoring with smartphone for cardiovascular disease prevention	AICTE-RP	Kumar,A.L., Dr. (M) P.S.G. College of Technology Avinashi Road, Peelamedu Coimbatore - 641 004 Tamil Nadu	11.00	36
1410	Design & development of wireless automatic quality domestic water distribution & wastage reduction management system with PLC controller & IoT implementation, for athiyappagoundan Pudur village, Sathyamangalam, Erode district, Tamil Nadu	AICTE-RP	Babu,C.G., Dr. (M) Bannari Amman Institute of Technology Post Alathukombai- Sathyamangalam Erode - 638 401 Tamil Nadu	3.71	36
1411	Design & fabrication of integrated OCT on a chip	AICTE-RP	Joseph,A., Dr. (M) Shri Govindram Seksarai Institute of Technology & Science 23, Park Road Indore - 452 003 Madhya Pradesh	12.00	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1412	Design & implementation of hybrid aerator & auto feeder based on water quality of shrimp ponds in India for sustainable aquaculture	AICTE-RP	Nanjundappan,D., Dr. (M) Sri Ramakrishna Institute of Technology Pachapalayam, Perur Chettipalayam Coimbatore - 641 010 Tamil Nadu	7.00	36
1413	Design of smart microwave head imaging system using UWB antenna for detecting brain injury	AICTE-RP	Padmavathy,T.V., Dr. (F) R.M.K. Engineering College R.S.M. Nagar, Gummidipoondi Taluk, Kavaraipettai Thiruvallur - 601 206 Tamil Nadu	4.00	36
1414	Development & implementation of Type-2 fuzzy logic system for interconnected power systems for load frequency control: A systematic approach	AICTE-RP	Kasibhatla,R., Dr. (M) Andhra University College of Engineering Andhra University, Waltair Visakhapatnam - 530 003 Andhra Pradesh	8.00	36
1415	Development of automated retinal image analysis system for determination of diabetic retinopathy: In context to rural India	AICTE-RP	Kulkarni,J., Dr. (M) Vishwakarma Institute of Technology 666, Upper Indiranagar, Bibwewadi Pune - 411 037 Maharashtra	4.00	36
1416	Development of high strength aluminum hybrid nanocomposites by reinforcement of graphene-metal/ceramic nanoparticles by friction stir processing	AICTE-RP	Dumpala,L., Dr. (M) University College of Engineering Pithapuram Road Godavari - 533 003 Andhra Pradesh	12.00	36
1417	Development of self-healing concrete contains cementitious materials	AICTE-RP	Rao,R.M.P., Dr. (M) Vellore Institute of Technology University Katpadi Thiruvalam Road Vellore - 632 014 Tamil Nadu	6.71	36
1418	Digital literacy penetration & its impact on creating sustainable livelihoods for rural women entrepreneurs in Jammu & Kashmir ..	AICTE-RP	Gupta,M., Dr. (F) Shri Mata Vaishno Devi University District Reasi Katra - 182 320 Jammu & Kashmir	10.00	24
1419	Direct torque controlled induction motor drive for hybrid electric vehicles with space vector modulated sliding mode controller to reduce torque ripple	AICTE-RP	Gudey,V.E.S.K., Dr. (M) Gayatri Vidya Parishad College of Engineering Madhurawada Visakhapatnam - 530 048 Andhra Pradesh	9.00	36
1420	Early forest fire detection via principal component analysis of multi spectral imaging	AICTE-RP	Vasuki,S., Dr. (M) Velammal College of Engineering & Technology Velammal Nagar, Viraganoor Madurai - 625 009 Tamil Nadu	6.00	36
1421	Epidemiologic study on persistent organic pollutants as a cause of type ii diabetes & high performance algorithms for diagnosis using GPU	AICTE-RP	Govindasamy,G., Dr. (M) Sri Ramakrishna Engineering College Vattamalaipalayam, Post N.G.G.O Colony Coimbatore - 641 022 Tamil Nadu	12.00	36
1422	Evaluation & modeling of particulate matter & gaseous pollutants concentration & assess air quality in different zones in Coimbatore city	AICTE-RP	Murali,K., Dr. (F) Sri Ramakrishna Institute of Technology Pachapalayam, Perur Chettipalayam Coimbatore - 641 010 Tamil Nadu	7.00	36
1423	Experimental investigation & modeling of WO <sub>3</sub> , ZnO & graphene nano particles in the field of bio medical applications	AICTE-RP	Subramaniam,K.S., Dr. (F) Nandha Engineering College 28, Chennimalaipalayam Road, Pitchandampalayam Erode - 638 052 Tamil Nadu	5.45	36
1424	Experimental investigation of problems in sing phase grid connected photo voltaic system using multilevel inverters & mitigation using DPACE controller	AICTE-RP	Balapanuru,M.C., Dr. (M) Q.I.S. College of Engineering & Technology Pondur Road, Vengamukkapalem, Ongole Prakasam - 523 272 Andhra Pradesh	12.80	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1425	Experimental investigations for barium titanate & graphene reinforced PVDF matrix for 4-D applications	AICTE-RP	Grewal,J.S., Dr. (M) Guru Nanak Dev Engineering College Gill Park, Gill Road Ludhiana - 141 006 Punjab	10.00	36
1426	Exploring the role of community healthcare schemes as equitable health financing mechanism in closing the healthcare needs of unorganized population in India - Sustaining UHC goal	AICTE-RP	Chattoraj,A., Dr. (M) Birla Institute of Management Technology Plot No.5, Institutional Area, Knowledge Park-II, Gautam Buddha Nagar Greater Noida - 201 306 Uttar Pradesh	0.35	24
1427	GIS for proactive village 'Randheja'	AICTE-RP	Patel,S., Dr. (M) Gujarat Vidyapith Center for Studies In Rural Management, Randheja Gandhinagar - 382 620 Gujarat	9.00	24
1428	Impact of digital eco-system on the marketing funnel	AICTE-RP	Murthy,N., Dr. (M) Prin. L. N. Welingkar Institute of Management Development & Research 102 & 103, Electronics City Phase 1, Hosur Road Bengaluru - 560 100 Karnataka	4.00	24
1429	Improvement of power generation in a 20kW solar PV power plant through bypass diode scanning algorithm & modified couple matching algorithm	AICTE-RP	Winston,P.D., Dr. (M) Kamaraj College of Engineering & Technology S.P.G.C. Nagar, Post Box 12, K. Vellakulam Virudhunagar - 626 001 Tamil Nadu	1.50	36
1430	Incipient motion condition for non-uniform sediment in unobstructed flow on sloping bed	AICTE-RP	Bhalerao,A., Dr. (M) Bharati Vidyapeeth University College of Engineering, Pune-Satara Road, Dhankawadi Pune - 411 043 Maharashtra	3.00	36
1431	Integrated sustainable waste management - A journey from challenges to opportunities	AICTE-RP	Khan,I., Dr. (M) Rajagiri College of Social Sciences School of Management, Rajagiri Valley P.O. Kakkanad Ernakulam - 682 039 Kerala	8.00	24
1432	Internet of Things (IoT) based condition monitoring system for wind turbines	AICTE-RP	Faruk,K., Dr. (M) Veermata Jijabai Technological Institute H.R. Mahajani Marg, Matunga Mumbai - 400 019 Maharashtra	7.73	36
1433	IoT-based intelligent garbage monitoring, segregation & recycling system using convolutional neural networks for smart city	AICTE-RP	Viveganandan,V., Dr. (F) Pondicherry Engineering College Pillaichavadi Puducherry - 605 014 Puducherry	5.00	36
1434	Large area pristine graphene synthesis by Electron Cyclotron Resonance (ECR) plasma enhanced chemical vapour deposition technique	AICTE-RP	Taki,G., Dr. (M) Institute of Engineering & Management Salt Lake Electronics Complex, Sector-V Kolkata - 700 091 West Bengal	16.00	36
1435	Marine frequency converter based renewable energy system in onboard ship	AICTE-RP	Sasilatha,T., Dr. (F) Academy of Maritime Education & Training Univrsity (AMET) No.135, East Coast Road, Kanathur, Reddykuppam, Kanchipuram Chennai - 603 112 Tamil Nadu	12.65	36
1436	Measurement & calibration laboratory for electronics & telecommunication engineering, electronics engineering, computer science engineering, information technology engineering & mechanical engineering	AICTE-RP	Mishra,B.K., Dr. (M) Thakur College of Engineering & Technology Shyamnarayan Thakur Marg, Kandivali (East) Mumbai - 400 101 Maharashtra	11.45	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1437	Measurement & economic analysis of health inequalities in Odisha: An empirical analysis	AICTE-RP	Kamilla,U., Dr. (F) Institute of Management & Information Science Swagat Vihar, Bankuala, Vivekananda Marg Bhubaneswar - 751 002 Odisha	9.50	24
1438	Micro-fabrication of monolithic TFT based DC-DC converter using low cost RF sputtering	AICTE-RP	Santha,K.R., Dr. (M) Sri Venkateswara College of Engineering Post Bag No 3, Pennalur, Sriperumbudur, Kanchipuram Chennai - 602 105 Tamil Nadu	11.00	36
1439	MIMO software defined radio for 4G/5G real time applications	AICTE-RP	Latha,M., Dr. (M) JNTUH College of Engineering Kukatpally, Rangareddy Hyderabad - 500 085 Telangana	12.39	36
1440	Modelling disaster-relief operations: A study on warehouse & distribution challenges in India	AICTE-RP	Kaur,H., Dr. (F) Birla Institute of Management Technology Plot No.5, Institutional Area, Knowledge Park-II, Gautam Buddha Nagar Greater Noida - 201 306 Uttar Pradesh	5.33	24
1441	Novel approach for harmonic reduction in renewable energy interfacing converter using artificial intelligence techniques	AICTE-RP	Tummala,S., Dr. (M) Gokaraju Rangaraju Institute of Engineering & Technology Bachupally Kukatpally, Rangareddy Hyderabad - 500 090 Telangana	10.00	36
1442	Perceived employability, entrepreneurial success, psychological wellbeing & student engagement among engineering students: Role of psychological capital	AICTE-RP	Ningthoujam,S., Dr. (F) New Delhi Institute of Management 60,50 (B & C), Tughlakabad Institutional Area New Delhi - 110 062 Delhi	8.00	24
1443	Performance analysis of distribution transformer filled with coconut oil	AICTE-RP	Das,A.K., Dr. (M) North Eastern Regional Institute of Sciences & Technology Nirjuli Itanagar - 791 109 Arunachal Pradesh	22.00	36
1444	Performance analysis of the reverse voltage cascaded multilevel inverter for low head water pump	AICTE-RP	Garapati,D.P., Dr. (M) Shri Vishnu Engineering College for Women Vishnupur, Bhimavaram Godavari - 534 202 Andhra Pradesh	7.00	36
1445	Process customization & optimization of generation of biogas & manure from biomass & organic wastes with inputs & conditions specific to Assam extendable to other north eastern India	AICTE-RP	Ramesh,P.G., Dr. (M) Kaziranga University School of Engineering Technology & Management, N.H. 37, Korakhowa Jorhat - 785 006 Assam	17.50	36
1446	Real-time simulator for MMC based doubly fed induction machine	AICTE-RP	Gopala,V.M., Dr. (M) Anurag University Venkatapur (Village), Ghatkesar (Mandal), Rangareddy Hyderabad - 501 301 Telangana	10.00	36
1447	Reduction of stress under the use of music	AICTE-RP	Dey,A., Dr. (M) Narula Institute of Technology 81, Nilgunj Road, Agarpara, North 24 Parganas Kolkata - 700 109 West Bengal	8.00	36
1448	Renewable energy integrated movable charging unit for electrical vehicles with smart grid management concepts	AICTE-RP	Sivakumar,P., Dr. (M) Rajalakshmi Engineering College Rajalakshmi Nagar, Thandalam, Kanchipuram Chennai - 602 105 Tamil Nadu	8.00	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1449	Selective laser sintering of meso-scale combustors	AICTE-RP	Konireddy,H., Dr. (M) JNTUA College of Engineering Sir M Visweswaralah Road Anantapur - 515 002 Andhra Pradesh	4.86	36
1450	Shape representation, reconstruction & rendering of 3D models	AICTE-RP	Mudengudi,U., Dr. (F) K.L.E. Technological University B.V. Bhoomaraddi College Campus, Vidyanagar, Hubli Dharwad - 580 031 Karnataka	5.65	36
1451	Soil moisture monitoring using ground based microwave scatterometer for flood & agricultural application	AICTE-RP	Goswami,B., Mr. (M) Don Bosco College of Engineering & Technology Airport Road, Azara Guwahati - 781 017 Assam	10.05	36
1452	State-of-charge estimation for electric vehicle batteries using soft sensing & state estimation schemes	AICTE-RP	Prakash,J., Dr. (M) Anna University Sardar Patel Road Chennai - 600 025 Tamil Nadu	9.02	36
1453	Study of CSR initiatives with respect to dynamic & innovation capabilities of social enterprises in India	AICTE-RP	Kumar,S., Dr. (M) Shri Mata Vaishno Devi University District Reasi Katra - 182 320 Jammu & Kashmir	10.00	24
1454	Studying & measuring financial literacy level in backdrop of cultural context of India	AICTE-RP	Purohit,H., Dr. (M) Banasthali Vidyapeeth Tonk Banasthali - 304 022 Rajasthan	9.30	24
1455	Sustainable clean coal technology with power & methanol production utilizing north eastern region coal & biomass of India	AICTE-RP	Borah,R.C., Dr. (M) Kaziranga University School of Engineering Technology & Management, N.H. 37, Koraikhowa Jorhat - 785 006 Assam	24.50	36
1456	The eco-driving behaviour: A strategic way to control tailpipe emission	AICTE-RP	Pani,P., Dr. (M) Aurora's P.G. College 12-1-125/1, Ganesh Nagar, Ramanthapur, Rangareddi Hyderabad - 500 013 Telangana	10.00	24
1457	Trade in services: A study of linkages between regional cooperation & trade in health services	AICTE-RP	Bhaumik,P., Dr. (M) International Management Institute B-10, Qutab Institutional Area, Tara Crescent New Delhi - 110 016 Delhi	8.00	24
1458	Design of antennas for next generation communication	CSIR-ES	Karuvandy,A.C., Dr. (M) Cochin University of Science & Technology Department of Electronics Kochi - 682 022 Kerala	10.20	36
1459	Graphene reinforced polymer composites as corrosion resistant coatings	CSIR-ES	Singh,B.P., Dr. (M) CSIR-Institute of Minerals & Materials Technology Department of Materials Chemistry Bhubaneswar - 751 013 Odisha	9.95	36
1460	Preparation of advanced & value added materials from the beach sand minerals	CSIR-ES	Singh,S.K., Dr. (M) CSIR-Institute of Minerals & Materials Technology Department of Advanced Materials Technology Bhubaneswar - 751 013 Odisha	10.20	36
1461	A novel thermal management system for electric vehicle batteries using phase change composite	CSIR-GS	Sahu,S.K., Dr. (M) Indian Institute of Technology (Indore) Discipline of Mechanical Engineering Indore - 453 552 Madhya Pradesh	7.50	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1462	A Rayleigh wave based technique for near surface damage detection in concrete structures through application of non-contact based sensing	CSIR-GS	Ganguli,A., Dr. (M) Indian Institute of Technology (Tirupati) Department of Civil Engineering Tirupati - 517 506 Andhra Pradesh	14.30	36
1463	Analytical modeling of nano scale mosfets incorporating the impact of quantum confinement effects on the gate oxide leakage current	CSIR-GS	Medury,A.S., Dr. (M) Indian Institute of Science Education & Research (Bhopal) Department of Electrical Engineering & Computer Bhopal - 462 066 Madhya Pradesh	6.00	36
1464	Biocatalytic desulphurization of crude oil by high performance genetically engineered microorganisms	CSIR-GS	Moholkar,V.S., Prof. (M) Indian Institute of Technology (Guwahati) Centre for Energy Guwahati - 781 039 Assam	18.00	36
1465	Design & development of solar PV fed efficient universal converter for V/F drives in smart irrigation system	CSIR-GS	Kumaravel,S., Dr. (M) National Institute of Technology (Calicut) Department of Electrical Engineering Kozhikode - 673 601 Kerala	9.00	36
1466	Detection of explosive vapors by reduced graphene oxide based sensors	CSIR-GS	Ghosh,R., Dr. (F) Indian Institute of Technology (Dharwad) Department of Electrical Engineering Dharwad - 580 011 Karnataka	13.70	36
1467	Development of low cost visible light active highly efficient photocatalyst for the remediation of organic & inorganic contaminated water	CSIR-GS	Paria,S., Prof. (M) National Institute of Technology (Rourkela) Department of Chemical Engineering Rourkela - 769 008 Odisha	16.00	36
1468	DFOG20: Design & development of an efficient defogging framework for road safety	CSIR-GS	Kumar,V., Dr. (M) Thapar Institute of Engineering & Technology Department of Computer Science & Engineering Patiala - 147 001 Punjab	4.20	36
1469	Dpiaccelerator: Hardware accelerators for Deep Packet Inspection (DPI) applications	CSIR-GS	Mazumdar,B., Dr. (M) Indian Institute of Technology (Indore) Discipline of Computer Science Engineering Indore - 453 552 Madhya Pradesh	11.50	36
1470	Effect of synthetic jet on heat transfer augmentation for electronics cooling	CSIR-GS	Dutta,S., Dr. (M) Indian Institute of Technology (Roorkee) Discipline of Mechanical & Industrial Engineering Roorkee - 247 667 Uttarakhand	11.50	36
1471	Enhanced para xylene separation from xylene isomers by reverse osmosis based membrane assisted crystallization	CSIR-GS	Sistla,V.S., Dr. (M) Rajiv Gandhi Institute of Petroleum Technology Amethi - 229 304 Uttar Pradesh	4.55	36
1472	Enhancement of biocompatibility & wear resistance of orthopaedic beta titanium alloy Ti-35Nb-7Zr-5TA by nanosurface modification	CSIR-GS	Manivasagam,G., Dr. (F) Vellore Institute of Technology University Centre for Biomaterials Vellore - 632 014 Tamil Nadu	7.43	36
1473	Fatigue & corrosion properties of ultrafine grained Al5083-SiCP nanocomposites developed by stir-casting+SPD processing for naval applications	CSIR-GS	Mula,S., Dr. (M) Indian Institute of Technology (Roorkee) Department of Metallurgic & Material Engineering Roorkee - 247 667 Uttarakhand	14.47	36
1474	Fatigue life characterization of hybrid composites under various processing conditions	CSIR-GS	Arockiarajan,A., Dr. (M) Indian Institute of Technology (Madras) Department of Applied Mechanics Chennai - 600 036 Tamil Nadu	19.50	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1475	Finite elements methods for variational inequalities of the second kind	CSIR-GS	Porwal,K., Dr. (F) Indian Institute of Technology (Delhi) Department of Mathematics, Hauz Khas New Delhi - 110 016 Delhi	2.80	36
1476	Functionalized polycrystalline carbon nanotubes & their bundles as potential candidates for hydrogen storage	CSIR-GS	Kundalwal,S.I., Dr. (M) Indian Institute of Technology (Indore) Discipline of Mechanical Engineering Indore - 453 552 Madhya Pradesh	7.45	36
1477	Hybrid control strategy involving daylight harvesting for lighting applications in smart buildings	CSIR-GS	Singh,M., Dr. (M) Thapar Institute of Engineering & Technology Department of Electrical Instrument Engineering Patiala - 147 004 Punjab	7.95	36
1478	Integrated resistance & capacitance measurement system based on field programmable gate array	CSIR-GS	Sumathi,P., Dr. (F) Indian Institute of Technology (Roorkee) Department of Electrical Engineering Roorkee - 247 667 Uttarakhand	11.75	36
1479	Liquid - Liquid flow through small diameter conducts-enhanced mass transfer & kinetic study	CSIR-GS	Biswas,K.G., Dr. (M) Rajiv Gandhi Institute of Petroleum Technology Amethi - 229 304 Uttar Pradesh	4.50	36
1480	Magnetically modified superhydrophobic porous cellulose sponge from waste lignocellulosic biomass for oil water separation	CSIR-GS	Sharma,A.N.K., Dr. (F) Panjab University Dr. SSB University Institute of Chemical Engineering & Technolog Chandigarh - 160 014 Chandigarh	10.50	36
1481	Microstructure & corrosion properties of metal-graphene composite coatings	CSIR-GS	Srivastava,C., Prof. (M) Indian Institute of Science Department of Materials Engineering Bengaluru - 560 012 Karnataka	20.00	36
1482	Modeling the capacity loss in lithium ion batteries during cycling	CSIR-GS	Krishnamurthy,B., Dr. (M) Birla Institute of Technology & Science (Pilani) Department of Chemical Engineering Hyderabad - 500 078 Telangana	14.25	36
1483	Nonlocal & nonlinear analysis of plates & laminates via a novel goal oriented adaptive 'N' sided polygonal finite element approach	CSIR-GS	Rajagopal,A., Dr. (M) Indian Institute of Technology (Hyderabad) Department of Civil Engineering, Kandi Hyderabad - 502 285 Telangana	6.00	36
1484	Novel composite polymeric adhesives based on fibers & nano-fillers for joining metals	CSIR-GS	Bijwe,J., Prof. (F) Indian Institute of Technology (Delhi) Industrial Tribology Machine Dynamics & Maintenance Engineering Centre, Hauz Khas New Delhi - 110 016 Delhi	9.50	36
1485	On construction of hadamard matrices & generalized hadamard matrices with some applications	CSIR-GS	Manjhi,P.K., Dr. (M) Vinoba Bhawe University Department of Mathematics Hazaribagh - 825 301 Jharkhand	3.10	36
1486	Photocatalytic active transparent glass ceramics for waste water treatment	CSIR-GS	Chauhan,V.S., Dr. (M) Indian Institute of Technology (Mandi) School of Engineering Mandi - 175 001 Himachal Pradesh	11.00	36
1487	Rainfall-runoff modeling for lower Godavari basin in a changing climate	CSIR-GS	Raju,K.S., Prof. (M) Birla Institute of Technology & Science (Pilani) Department of Civil Engineering Hyderabad - 500 078 Telangana	8.76	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1488	Self-generation of methanol for biodiesel production by visible light photoreduction of CO <sub>2</sub> using SNS-ZNO quantum Dot-core shell nanostructures	CSIR-GS	Warrier,A.R., Dr. (F) Academy of Maritime Education & Training Univrsity (AMET) Department of Physics Chennai - 603 112 Tamil Nadu	10.50	36
1489	Solar light driven waste water remediation using graphene ferroelectric composites	CSIR-GS	Vaish,R., Dr. (M) Indian Institute of Technology (Mandi) School of Engineering Mandi - 175 001 Himachal Pradesh	9.50	36
1490	Structural control using tuned liquid dampers: An investigation through realtime hybrid simulation	CSIR-GS	Kolay,C., Dr. (M) Indian Institute of Technology (Kanpur) Department of Civil Engineering Kanpur - 208 016 Uttar Pradesh	13.75	36
1491	Study of postbuckling response, failure & strength of functionally graded composite plates with & without cutouts	CSIR-GS	Singh,S.B., Prof. (M) Birla Institute of Technology & Science (Pilani) Department of Civil Engineering Pilani - 333 031 Rajasthan	9.00	36
1492	Study of tribological behavior of electroless nickle alloy & poly-alloy coatings	CSIR-GS	Roy,S., Dr. (M) Haldia Institute of Technology Department of Mechanical Engineering Purbamedinipur - 721 657 West Bengal	9.75	36
1493	Theoretical analysis & numerical simulation of unsteady-state singularly perturbed parabolic models	CSIR-GS	Ramjiwari, Dr. (M) Indian Institute of Technology (Roorkee) Department of Mathematics Roorkee - 247 667 Uttarakhand	3.10	36
1494	Ultrasonic assisted grinding of difficult to cut materials with ultrasonically atomized green solvents	CSIR-GS	Sharma,V., Dr. (M) Indian Institute of Technology (Roorkee) Department of Mechanical & Industrial Engineering Roorkee - 247 667 Uttarakhand	13.00	36
1495	Use of higher percentage of methanol fuel in a diesel engine	CSIR-GS	Sen,D., Dr. (M) National Institute of Technology (Arunachal Pradesh) Department of Mechanical Engineering Yupia - 791 112 Arunachal Pradesh	5.70	36
1496	Waste minimization & carbon capture with coal flyash doped sorbents -A two edged sword connected to Swachch Bharat	CSIR-GS	Sreedhar,I., Dr. (M) Birla Institute of Technology & Science (Pilani) Department of Chemical Engineering Hyderabad - 500 078 Telangana	7.00	36
1497	Waste utilization in self-compactine concrete: Optimization & assessment of environmental benefits	CSIR-GS	Singh,N., Dr. (M) National Institute of Technology (Jalandhar) Department of Civil Engineering Jalandhar - 144 011 Punjab	2.16	36
1498	Design & development of deployable thin film based evanescent field sensor to check the quality of food from adulteration	CSIR-SS	Raghuwanshi,S.K., Dr. (M) Indian Institute of Technology (Dhanbad) Department of Electrical Engineering Dhanbad - 826 004 Jharkhand	8.75	36
1499	High pressure phase transitions, electronic, elastic and optical properties of selected defect chalcopyrite semiconductors for optoelectronic application	CSIR-SS	Tripathy,S.K., Dr. (M) National Institute of Technology (Silchar) Department of Electronics & Communications Engineering Silchar - 788 010 Assam	7.10	36
1500	A novel approach to docking & identification of prospective drug-like compounds	DBT-R&D	Mukherjee,A., Dr. (M) Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	25.00	36



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1501	Acute decompensated heart failure prediction using machine learning algorithms	DBT-R&D	Seth,S., Dr. (M) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	59.68	24
1502	AI-based approach to predict the drug biotransformation by human gut microbiome: A step towards personalized therapeutics	DBT-R&D	Sharma,V.K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	75.91	36
1503	Application of artificial intelligence & optimal control in optimizing protein/vaccine production in bioreactor system: A step towards affordable biomolecule production	DBT-R&D	Mitra,K., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Sangareddy - 502 205 Telangana	54.33	36
1504	Clinical research to assess efficacy to repetitive transcranial magnetic stimulation along with implantation of neurotrophic coated nanoparticles in complete spinal cord injury patients	DBT-R&D	Jain,S., Dr. (F) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	88.35	36
1505	CRISPR-Cas13 - mediated engineering of endogenous long non-coding RNAs for fluorescent tagging to study RNA dynamics	DBT-R&D	Banerjee,S., Dr. (M) National Brain Research Centre Gurgaon - 122 050 Haryana	72.00	36
1506	CRISPR-Cas9 based genome-editing approach to explore functions of actin binding proteins in zebrafish: Unravelling F-actin regulation underlying behaviour of cells, tissues & animals	DBT-R&D	Patra,C., Dr. (M) Scientist D Agharkar Research Institute Pune - 411 004 Maharashtra	290.64	48
1507	Design & pre-clinical evaluation of non-invasive natamycin mucoadhesive biodegradable nanoparticles for ocular delivery	DBT-R&D	Reddy,J.R.K., Dr. (M) Associate Professor Shri Vishnu College of Pharmacy Godavari - 534 202 Andhra Pradesh	21.75	36
1508	Developing cancer models using CRISPR-Cas9 technique in zebrafish	DBT-R&D	Galande,S., Dr. (M) Professor Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	175.16	48
1509	Development of an Artificial Intelligence (AI) based accurate refractive outcome prediction model post cataract surgery	DBT-R&D	Jana,S., Prof. (M) Associate Professor Indian Institute of Technology (Hyderabad) Sangareddy - 502 205 Telangana	32.23	36
1510	Developments in Indian genetic disease database: Updation, analysis & inclusion of complex diseases	DBT-R&D	Pal,S., Dr. (M) Fellow CSIR-Indian Institute of Chemical Biology Kolkata - 700 032 West Bengal	32.74	36
1511	Distilling of mechanistic gene-signature for extrapulmonary tuberculosis from multi-omic data with generative artificial intelligence & transfer learning	DBT-R&D	Lodha,R., Prof. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	14.72	24
1512	Fabrication of catalytic nano-fibre based facemask & clothing to prevent pesticide-induced neuronal dysfunction & mortality	DBT-R&D	Vemula,P.K., Dr. (M) Research Investigator Institute for Stem Cell Biology & Regenerative Medicine	90.21	36
1513	Identification of optimal therapeutic window for efficacious intervention in a zebrafish model of fragile X syndrome	DBT-R&D	Sevilimedu,A.V., Dr. (F) Senior Scientist Dr. Reddy Institute of Life Sciences Hyderabad - 500 046 Telangana	49.93	36
1514	Imaging biobank for cancer	DBT-R&D	Singh,M.K., Dr. (M) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	1176.06	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1515	Improvisation of CRISP/Cas9 & CRISPRi-based approaches & their application in Mycobacterium Tuberculosis gene manipulation to assist ongoing TB research & drug discovery programs in India	DBT-R&D	Rao,A., Dr. (F) Senior Scientist CSIR-Institute of Microbial Technology Chandigarh - 160 036 Chandigarh	109.74	42
1516	Labeling mutple endogenous actin binding proteins in single neurons by CRIPR/Cas9 - mediated targeting	DBT-R&D	Nair,D.K., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	71.91	36
1517	Machine learning model for early diagnosis of stroke in resource limited settings	DBT-R&D	Vishnu,V.Y., Dr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	72.59	36
1518	Molecular & functional characterization of an Xist-antisense novel long non-coding RNA	DBT-R&D	Gayen,S., Dr. (M) Assistant Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	64.24	36
1519	MUCI pulsed DC-derived exosomes for cancer immunotherapy	DBT-R&D	Barwad,A., Dr. (M) Assistant Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	62.27	36
1520	Multiple-drug nano-formulation & quantitative imaging of cellular response for Glaucoma treatment protocol	DBT-R&D	Giri,L., Dr. (F) Assistant Professor Indian Institute of Technology (Hyderabad) Sangareddy - 502 205 Telangana	87.07	36
1521	Plasmodium infected RBC classification into various malarial stages using microfluidics, genomics & machine learning	DBT-R&D	Sharma,R., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	81.87	36
1522	RNA guided nucleases based targeted genome editing for Retinitis Pigmentosa	DBT-R&D	Ramalingam,S., Dr. (M) Scientist CSIR-Institute of Genomics & Integrative Biology Delhi - 110 007 Delhi	104.37	48
1523	Use of artificial intelligence to detect breast cancer on mammogram & its use in the Indian population	DBT-R&D	Gupta,A.K., Prof. (M) Head All India Institute of Medical Sciences Department of Radiologist New Delhi - 110 029 Delhi	85.20	36
1524	Use of innovative nanotechnology for transdermal delivery of micronutrients for prevention & treatment of nutritional Anemia in infants	DBT-R&D	Banerjee,R., Dr. (F) Head Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	261.53	60
1525	Utility of artificial intelligence in differentiating non-invasive follicular thyroid neoplasm with papillary like nuclear features from other follicular-patterned thyroid benign & malignant lesions	DBT-R&D	Agarwal,S., Dr. (F) Assistant Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	74.16	36
1526	Development & field trial of 500 T capacity SAGES III for use with continuous miners (Phase III)	DOC-S&T Grant	Singh,U.K., Prof. (M) Indian Institute of Technology (Dhanbad) Dhanbad - 826 004 Jharkhand	396.69	44
1527	A new capacitance based model for SDBD plasma actuation	DRDO-AR&DB	Kumar,R., Prof. (M) Indian Institute of Technology (Kanpur) Indian Institute of Technology (Bhubaneswar) Kanpur - 208 016 Uttar Pradesh	19.68	24
1528	A novel self-healing poly (Urethane-Urea) protective coatings with possibility of embedding invisible barcode using gold nanoparticles for defence & aerospace applications	DRDO-AR&DB	Patil,V., Dr. (M) Associate Professor Mumbai University Mumbai - 400 098 Maharashtra	44.52	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1529	A study on the propulsion performance of tubercle flapping airfoils	DRDO-AR&DB	Dash,S.M., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Mohanpur - 721 302 West Bengal	58.02	36
1530	Ablation studies in reentry capsule with strong coupling to flow dynamics	DRDO-AR&DB	Pathak,K.A., Dr. (M) Associate Professor Navrachana University Vadodara - 391 410 Gujarat	15.24	24
1531	Aeroacoustics of high speed flows through Chevron nozzles	DRDO-AR&DB	Sinha,A., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	40.06	33
1532	Aerodynamic shape optimization of fixed wings at low reynolds numbers with flow transition for micro-air vehicle applications	DRDO-AR&DB	Sivapragasam,M., Dr. (M) Associate Profssor M.S. Ramaiah University of Applied Sciences Bengaluru - 560 058 Karnataka	8.28	24
1533	An integrated framework for gearbox prognosis with multiple sensors	DRDO-AR&DB	Darpe,A.K., Dr. (M) Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	43.32	34
1534	Automated landing of rotorcraft on moving platform	DRDO-AR&DB	Mohan,R., Prof. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	23.96	36
1535	Comparative evaluation of joints produced by GTAW & PAW in 12 mm thick plates of maraging steel MDN 250 for microstructure, microsegregation, strength & fracture toughness	DRDO-AR&DB	Manikandan,M., Dr. (M) Associate Professor Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	15.81	36
1536	Control of linear instabilities in high AR trapezoidal wing boundary layers	DRDO-AR&DB	Narayanan,V., Prof. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Gandhinagar - 382 355 Gujarat	11.47	12
1537	Design & analysis of aircraft active landing gear to study the dynamic response of the aircraft during heavy landing, taxing on uneven/random runway surfaces	DRDO-AR&DB	Sivakumar,S., Dr. (M) Associate Professor S.R.M. Institute of Science & Technology S.R.M. Nagar, Kancheepuram Kattankulathur - 603 203 Tamil Nadu	7.03	24
1538	Design & development of bypass duct casing assembly for aero engine applications using high temperature composites (GTMAP)	DRDO-AR&DB	Sundaram,R., Dr. (M) Chief Scientist CSIR-National Aerospace Laboratories Bengaluru - 560 017 Karnataka	948.64	36
1539	Design & development of novel cutting inserts for sustainable machining using rapid tooling	DRDO-AR&DB	Sharma,V., Dr. (M) Assisat Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	27.75	36
1540	Design analysis of adhesively bonded composite patch repair of cracked aluminum aircraft panels	DRDO-AR&DB	Pathak,H., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	14.34	24
1541	Design, development & experimental valiation of adaptively controlled morphed aircraft wing profile for macimum range & endurance performance	DRDO-AR&DB	Gupta,S.C., Dr. (M) Associate Professor M.V.J. College of Engineering Bengaluru - 560 067 Karnataka	8.99	24
1542	Development & application of flow control techniques for flow past a rectangular cavity & circular cylinder	DRDO-AR&DB	Nagarajan,K.K., Dr. (M) Scientist CSIR-National Aerospace Laboratories Bengaluru - 560 017 Karnataka	28.96	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1543	Development of carbon fibre reinforced polymer composites using microwave curing	DRDO-AR&DB	Zafar,S., Dr. (M) Professor Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	15.26	24
1544	Development of damage detection technique for composite laminated structures under varying temperature	DRDO-AR&DB	Sen,S., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	23.39	24
1545	Development of high-curie temperature piezoceramics for aviation applications	DRDO-AR&DB	Babu,G.A., Dr. (M) Assistant Professor Sri Sivasubramaniya Nadar College of Engineering Rajiv Gandhi Salai (OMR), Kanchipuram Kalavakkam - 603 110 Tamil Nadu	12.30	36
1546	Development of multiscale modeling framework for CNT (Carbon Nanotube) reinforced nanocomposites	DRDO-AR&DB	Kumar,S., Dr. (M) Sr. Principle Scientist CSIR-Central Mechanical Engineering Research Institute Durgapur - 713 209 West Bengal	24.38	24
1547	Development of multi-stacked PLZT material for aerospace actuator applications	DRDO-AR&DB	Mahato,D.K., Prof. (M) Assistant Professor National Institute of Technology (Patna) Patna - 800 005 Bihar	23.08	36
1548	Development of process for refining of commercial magnesium metal through vacuum distillation	DRDO-AR&DB	Kumar,M., Dr. (M) Principal Scientist CSIR-National Metallurgical Laboratory Jamshedpur - 831 007 Jharkhand	17.63	24
1549	Development of super-lubricated nanocrystalline diamond film on bearing materials for aerospace application	DRDO-AR&DB	Sharma,R., Dr. (M) Assistant Professor Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	26.12	36
1550	Drag reduction by suppressing the bi-stability character of the wake in bluff body vehicles	DRDO-AR&DB	Clement,S., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani) K K Birla Goa Campus, NH 17B, Bypass, Road Zuarinagar - 403 726 Goa	23.01	24
1551	Experimental & computational investigation of pressure field over inner surface of jet tab fixed to the supersonic nozzle exit	DRDO-AR&DB	Vijayaraja,K., Dr. (M) Associate Professor K.C.G. College of Technology Karapakkam Chennai - 600 097 Tamil Nadu	21.58	24
1552	Experimental estimation of stability derivatives of structurally impaired aircraft	DRDO-AR&DB	Rajasekar,R., Dr. (M) Professor M.V.J. College of Engineering Bengaluru - 560 067 Karnataka	8.57	24
1553	Experimental investigation of damage monitoring in sandwich structures using vibration data for aircraft applications	DRDO-AR&DB	Venkatesh,P.R., Dr. (M) Associate Professor R.V. College of Engineering Bengaluru - 560 059 Karnataka	12.19	31
1554	Experimental studies on finiteness of a wing	DRDO-AR&DB	Kulkarni,V.N., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	35.54	30
1555	Experimental study on flow past grid fins having different shapes & web densities at subsonic flows	DRDO-AR&DB	Murugan,T., Dr. (M) Senior Scientist CSIR-Central Mechanical Engineering Research Institute Durgapur - 713 209 West Bengal	43.67	24
1556	Fabrication of PM Cu MMCs for thermal management applications in aerospace power electronics packaging	DRDO-AR&DB	Kavithaa,S., Dr. (F) Scientist C Central Manufacturing Technology Institute Bengaluru - 560 022 Karnataka	28.47	36
1557	Fracture control of CFRP laminated composites using smart materials approach under cryogenic environmental conditions	DRDO-AR&DB	Ghosh,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Mohanpur - 721 302 West Bengal	30.53	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1558	Guided wave based skin-core debond detection in sandwich smoothly varying core thickness	DRDO-AR&DB	Joglekas,D.M., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	22.60	36
1559	Investigation of tribological performance of laser surface textured nickle aluminium bronze for landing gear applications	DRDO-AR&DB	Bharatish, Dr. (M) Assistant Professor R.V. College of Engineering Post R.V. Vidyanketan, Mysore Road, 8, Mile Bengaluru - 500 059 Karnataka	14.19	24
1560	Investigations on inter laminar crack suppression in fiber & matrix hybrid polymer composites for aerospace structural components	DRDO-AR&DB	Gouda,P.S.S., Prof. (M) Assistant Professor S.D.M. College of Engineering & Technology Dhawalgi Dharwad - 580 002 Karnataka	6.60	24
1561	Investigition of unsteady flow phenomena on a flapping wing & its control using the synthetic jet	DRDO-AR&DB	Dutta,S., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	35.52	24
1562	Linear friction welding of components gas turbine (GTMAP)	DRDO-AR&DB	Kailas,S.V., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	404.80	36
1563	Modeling thermo-mechanical fatigue behavior of a near alpha titanium alloy for compressor disc/ bling applications	DRDO-AR&DB	Chakraborty,P., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	8.06	36
1564	Numerical & experimental investigations on formability of thin metal foils in micro forming for aerospace applicatons	DRDO-AR&DB	Kakandikar,G.M., Dr. (M) Professor M.I.T. World Peace University Surbey No 24, Paud Road, Kothrud Pune - 411 038 Maharashtra	15.14	24
1565	Numerical simulation of aerodynamics of flapping wings	DRDO-AR&DB	Samanta,D., Prof. (M) Assistant Professor Indian Institute of Technology (Ropar) Rupnagar - 140 001 Punjab	17.33	36
1566	Prognostic analysis of crack initiation & growth in non-linear problems of structural joints as a part of development of digital twin	DRDO-AR&DB	Dattaguru,B., Prof. (M) Jain University International Institute for Aerospace Engineering & Management, Ramnagara Bengaluru - 562 112 Karnataka	28.79	36
1567	Study of guided wave propagation through microstructure of polycrystalline material	DRDO-AR&DB	Mitra,M., Prof. (F) Associate Profssor Indian Institute of Technology (Kharagpur) Mohanpur - 721 302 West Bengal	26.18	36
1568	Study of reinitialization techniques used in conservative level set method for accurate computation of multiphase flows	DRDO-AR&DB	Mandal,J.C., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	7.32	12
1569	Study on the effect of major process parameters in laser melting of Ti-6Al-4V powder	DRDO-AR&DB	Antony,K., Dr. (M) Associate Profesor Muthoot Institute of Technology & Science Kochi-Madurai-Tondi Point Road, Puthenkurish Varikoli - 682 308 Kerala	13.85	36
1570	Surface integrity studies during milling of aluminium - lithium alloys used in aerospace applications for improved functinal performance	DRDO-AR&DB	Pai,S.P., Dr. (M) Professor Nittee Mahalinga Aadyanthaya Memorial Institute of Technology Udupi - 574 110 Karnataka	12.94	36
1571	Unidirectional tape pre-preg based carbon/epoxy short fiber composites: Development, mechanical characterization, stiffness & stength predictions	DRDO-AR&DB	Mohite,P.M., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	44.06	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1572	An advanced framework for hidden link analysis & trust management	DRDO-ER & IPR	Patel,D.R., Dr. (M) Professor Veermata Jijabai Technological Institute Department of Computer Engineering Mumbai - 400 019 Maharashtra	71.29	12
1573	Augmented reality based maintenance trainer for Tejas fighter jet	DRDO-ER & IPR	Kumar,C.R.S., Dr. (M) Associate Professor & HOD Defence Institute of Advanced Technology Department of Computer Science & Engineering Pune - 411 025 Maharashtra	37.10	24
1574	Compact hybrid fractal antenna arrays for missile applications	DRDO-ER & IPR	Behera,S.K., Dr. (M) Associate Professor National Institute of Technology (Rourkela) Department of Electronics & Communication Engineering Rourkela - 769 008 Odisha	49.24	36
1575	Contra rotating axial centrifugal compressor stage aerodynamics an experimental investigation	DRDO-ER & IPR	Mistry,C.S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Department of Aerospace Engineering Kharagpur - 721 302 West Bengal	38.01	36
1576	Development of vulnerability analysis framework & test bed for IoT & embedded devices	DRDO-ER & IPR	Singh,Y., Dr. (M) Associate Professor Central University of Jammu Department of Computer Science & Information Technology, Bagla Bagla - 181 143 Jammu & Kashmir	46.32	36
1577	Effect of silver & scandium addition on stress corrosion cracking resistance of aluminum alloy AA7050	DRDO-ER & IPR	Kashyap,K.T., Dr. (M) Professor Siddaganga Institute of Technology Department of Mechanical Engineering Bengaluru - 572 103 Karnataka	71.14	36
1578	Electromagnetic analysis, design & simulation of dual frequency (s- & c-band) relativistic backward wave oscillator A HPM source	DRDO-ER & IPR	Thottappan,M., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Department of Electronics Engineering Varanasi - 221 005 Uttar Pradesh	46.85	36
1579	Formal verification of neural networks as applied to autonomous system	DRDO-ER & IPR	D'Souza,M., Mrs. (F) Associate Professor International Institute of Information Technology Department of Computer Science Bengaluru - 560 100 Karnataka	15.71	30
1580	Nonlinear GaN HEMT device characterization for power amplifier design & implementation of X-Band frequencies	DRDO-ER & IPR	Rawat,K., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Department of Electronics & Communication Engineering Roorkee - 247 667 Uttarakhand	80.74	36
1581	Security assessment framework for analyzing attack vectors for generation infrastructure of power grid	DRDO-ER & IPR	Kazi,F.A.S., Dr. (M) Professor Veermata Jijabai Technological Institute Department of Electrical Engineering Mumbai - 400 019 Maharashtra	449.65	36
1582	Wall climbing robot with reduced sound levels using active noise control	DRDO-ER & IPR	Ramachandraiah,U., Dr. (M) Professor & Head Hindustan Institute of Technology & Science Department of Electronics & Instrumentation Engineering & Electrical & Electronics Engineering Chennai - 603 103 Tamil Nadu	60.62	36
1583	A coupled atmosphere - Ocean biogeochemistry model for the north Indian Ocean	DRDO-NRB	Kuttiipurath,J., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	36.63	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1584	A novel ECAR technique to produce nano structured AA5083 aluminum alloy with high deformation homogeneity & improved mechanical properties for naval applications	DRDO-NRB	Gurugubelli, S.N., Dr. (M) Professor Jawaharlal Nehru Technological University Department of Metallurgical Engineering Kakinada - 535 003 Andhra Pradesh	33.63	36
1585	Analysis of optical properties of coastal & estuarine waters & development of algorithm to retrieve chromophoric dissolved organic matter from an optical sensor	DRDO-NRB	Menon, H.B., Dr. (M) Professor Goa University School of Earth, Ocean & Atmospheric Sciences Goa - 403 206 Goa	46.31	36
1586	Artificial intelligence based Integrated Logistics Management System (ILMS) for Indian Navy (Air)	DRDO-NRB	Domnic, S., Dr. (M) Associate Professor National Institute of Technology (Tiruchirappalli) Department of Computer Application Tiruchirappalli - 620 015 Tamil Nadu	22.22	36
1587	Cavitation bubble dynamics near wettability tailored surfaces	DRDO-NRB	Ghosal, R., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Department of Ocean Engineering & Naval Architecture Kharagpur - 721 302 West Bengal	80.10	36
1588	Classification of sonar signals using deep convolution neural networks	DRDO-NRB	Rajan, P., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) School of Computing & Electrical Engineering Mandi - 175 005 Himachal Pradesh	16.47	24
1589	Corrosion fatigue crack sensing in ship steel by acoustic emission sensors along with detection & identification using customized machine learning	DRDO-NRB	Acharyya, A., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Department of Electrical Engineering Sangareddy - 502 285 Telangana	16.44	18
1590	Design & development of bio-inspired network of autonomous underwater vehicles	DRDO-NRB	Venkataraman, H., Dr. (M) Associate Professor Indian Institute of Information Technology Sri City Chittoor - 517 646 Andhra Pradesh	46.89	27
1591	Designing metal-based composite via liquid reinforcement for vibration damping applications going against conventional	DRDO-NRB	Tiwary, C.S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Department of Metallurgical & Materials Engineering Kharagpur - 721 302 West Bengal	14.05	12
1592	Development of Biomimetic Autonomous Underwater Vehicle (BAUV) for maritime surveillance (Phase 1)	DRDO-NRB	Krishnakutty, P., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	762.58	48
1593	Development of wavelet-based computational algorithms for a few nonlinear & fractional dynamical system governing ship dynamics	DRDO-NRB	Hariharan, G., Dr. (M) Sr. Assistant Professor SASTRA University Department of Mathematics Thanjavur - 613 401 Tamil Nadu	20.14	36
1594	Effect of multiple shot peening on the fatigue behavior of UNS S32760 & Ti-6Al-4V weldin seawater	DRDO-NRB	Panda, B., Dr. (F) Associate Professor C.M.R. Institute of Technology Bengaluru - 560 037 Karnataka	32.84	36
1595	Indigenous Doppler Velocity Log (IDVL)	DRDO-NRB	Sindhu, R., Mrs. (F) Scientist-G Centre for Development of Advanced Computing (C-DAC) Strategic Technology Group, Vellayambalam Thiruvananthapuram - 695 033 Kerala	52.76	24
1596	Mathematical tool development for hydroelastic analysis of propeller blade noise & vibraton & signature prediction	DRDO-NRB	Datta, N., Dr. (F) Indian Institute of Technology (Kharagpur) Department of Ocean Engineering & Naval Architecture Kharagpur - 721 302 West Bengal	17.79	36

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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1597	Numerical & experimental study of water entry & exit of rigid bodies	DRDO-NRB	Bhattacharya,S.K., Dr. (M) Professor Indian Institute of Technology (Madras) Department of Ocean Engineering Chennai - 600 036 Tamil Nadu	78.83	36
1598	State of art submarine target motion analysis	DRDO-NRB	Rao,S.K., Dr. (M) Professor K.L. University Department of Electronics & Communication Engineering Vaddeswaram - 522 502 Andhra Pradesh	26.97	30
1599	Study of air wake & its control over flight decki of aircraft carrier for safe aircraft landing operations	DRDO-NRB	Sinha,S.S., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Department of Applied Mechanics New Delhi - 110 016 Delhi	44.38	24
1600	Synthesis of carbon nano fibers, composites & its microwave absorption	DRDO-NRB	Jaybhaye,S.V., Dr. (M) Assistant Professor B.K. Birla College of Arts, Science & Commerce Department of Chemistry Kalyan - 421 304 Maharashtra	28.54	36
1601	Theoretical study & design of high efficiency wide band class D power amplifier for acoustic transducers	DRDO-NRB	Parthiban,P., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) Department of Electrical & Electronics Engineering Surathkal - 575 025 Karnataka	33.69	24
1602	Compact sand water separator for submersible & hand pumps	DSIR-PRISM	Ali,M., Mr. (M) 15/22, Civil Lines Kanpur - 208 001 Uttar Pradesh	7.75	12
1603	Compact societal composter	DSIR-PRISM	Balakrishnan,M., Mr. (M) 22, 1st Cross, LBS Nagar, Near Oxford English School, Post Vimanapura Bengaluru - 560 017 Karnataka	6.00	3
1604	Cost effective precision aeroponic system	DSIR-PRISM	Chaudhary,H.K., Mr. (M) Indian Institute of Technology (Kharagpur) A-109, Azad Hall of Residence Kharagpur - 721 302 West Bengal	1.95	12
1605	Design & development of ultrasonic impact test unit for enhancing the fatigue performance of HSLA steels	DSIR-PRISM	Shankar,S., Dr. (M) #28, Dhivya Nilaya, 5th Main, Sri Lakshmi Narayana Temple Street, Munnekolalu, Post Marathahalli Bengaluru - 560 054 Karnataka	9.90	18
1606	Development of Bi-gender electromagnetic machine	DSIR-PRISM	Sastry,C.S., Mr. (M) Door No. 12-1-255/1, Road No. 5, Krushee Nagar Colony, Nagole Bandlaguda Hyderabad - 500 068 Telangana	2.30	11
1607	Development of gravity engine	DSIR-PRISM	Vishwakarma,K.K., Mr. (M) H. No. 383/8, Subhash Marg, Urrahat Rewa - 486 003 Madhya Pradesh	1.30	6
1608	Development of portable micro-friction stir welding machine as a green technology	DSIR-PRISM	Bag,S., Dr. (M) Indian Institute of Technology (Guwahati) Department of Mechanical Engineering, C 102 Guwahati - 781 039 Assam	3.20	18
1609	Development of UAV avionics for Drone delivery-BVLOS	DSIR-PRISM	Upadhye,N., Mr. (M) 148, Shrikrishna Nagar, Shahanoorwadi Aurangabad - 431 005 Maharashtra	21.00	8



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1610	Elimination of viruses such as SARS-COV-2 in condition recirculated air using electrostatics	DSIR-PRISM	Kashyap,U., Dr. (M) Flat No 2203, Shraddha Autumn Park, Kanjur Marg Mumbai - 400 042 Maharashtra	1.95	12
1611	Energy efficient smart transformer	DSIR-PRISM	Srinivasan,G., Dr. (M) Devarmukkulam, Vg Krishnagiri - 635 111 Tamil Nadu	19.36	10
1612	Flex crutch: Flexible & kinetic shape based crutches for enhanced mobility & reduced energy consumption	DSIR-PRISM	Ambalapuzha,A.S., Mr. (M) Indian Institute of Technology (Delhi) Department of Mechanical Engineering, Room 420, Block 2, Hauz Khas New Delhi - 110 016 Delhi	6.15	8
1613	Power assisted cement bag loader	DSIR-PRISM	Anantha,B., Mr. (M) #14, Phase 1, 3rd Main, Ramanashree Nagar, Bannerhatta Road Bengaluru - 560 076 Karnataka	9.30	10
1614	Verstile hydraulic jack for rapid tyre change & maintenance	DSIR-PRISM	Kotte,B., Mr. (M) Singannagudem Village, Bapulapadu Mandalam Krishna - 521 111 Andhra Pradesh	2.12	12
1615	A smart factory test bed for assessment of certification worthiness for design transfer & changes in medical electronic SMEs	DST-AMT	Arora,M., Dr. (M) Assistant Professor Indian Institute of Science Centre for Product Design & Manufacturing Bengaluru - 560 012 Karnataka	52.72	24
1616	Auto component quality improvement through digital manufacturing using robotic automated defect recognition based NDT	DST-AMT	Balasubramaniam,K., Prof. (M) Chair Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	509.70	24
1617	Design & development of forced cooling mechanism for technology upgradation in laser precision forming	DST-AMT	Kant,R., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Rupnagar - 140 001 Punjab	49.70	24
1618	Design & development of laser decal transfer based micro 3D printer for printing micro devices	DST-AMT	Palani,I.A., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	34.24	24
1619	Design & development of smart robotic based magnetically impelled Arc butt welding equipment for joining ferrous and nonferrous tubes	DST-AMT	Vendan,S.A., Dr. (M) Associate Professor Dayananda Sagar University Bengaluru - 560 078 Karnataka	47.89	36
1620	Design & development of smart wireless sensor network system for structural vibration monitoring application & performance evaluation on different structures	DST-AMT	Mistry,K.K., Dr. (M) Senior Scientist CSIR-Central Mechanical Engineering Research Institute Durgapur - 713 209 West Bengal	48.48	24
1621	Design & fabrication of indigenous powder fed metal additive manufacturing machine	DST-AMT	Ravi,K.R., Dr. (M) Indian Institute of Technology (Jodhpur) Jodhpur - 342 037 Rajasthan	734.93	36
1622	Design enablement of self-aligned double poly-silicon emitter silicon bipolar transistors for RF application	DST-AMT	Gupta,A.D., Dr. (M) Professor Indian Institute of Technology (Madras) Department of Electrical Engineering Chennai - 600 036 Tamil Nadu	48.41	12
1623	Design, development & manufacturing of hybrid active & passive noise cancelling heat sinks	DST-AMT	Ramamoorthy,S., Dr. (F) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	22.65	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1624	Development & efficient characterization of Floating Body (FB) & Dynamic Threshold (DT) CMOS Partially Depleted Silicon-On-Insulator (PDSOI) standard cell libraries	DST-AMT	Bulusu,A., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Department of Electronics & Computer Engineering Roorkee - 247 667 Uttarakhand	59.82	24
1625	Development of a versatile casting unit for light weighting: Metal foams & composites	DST-AMT	Karagadde,S., Dr. (M) Assistant Professor CSIR-Central Leather Research Institute Adyar Chennai - 600 020 Tamil Nadu	47.08	36
1626	Development of an integrated metal additive & formative manufacturing system to enhance product complexity & properties	DST-AMT	Suryakumar,S., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Department of Mechanical & Aerospace Engineering, Kandi Sangareddy - 502 285 Telangana	48.51	36
1627	Development of an ultra-precision XYZ positioning stage with real-time compensation of volumetric errors	DST-AMT	Mahapatra,A., Mr. (M) Senior Scientist CSIR-Central Mechanical Engineering Research Institute Durgapur - 713 209 West Bengal	49.96	24
1628	Development of cryogenic micromachining for fabrication of soft & stretchable polymer based artificial skin with multi-modal sensing capability	DST-AMT	Patra,K., Dr. (F) Associate Professor Indian Institute of Technology (Patna) Department of Mechanical Engineering Patna - 801 106 Bihar	53.67	24
1629	Development of dieless digital friction stirs incremental forming process based on layer manufacture	DST-AMT	Rajenthirakumar,D., Dr. (M) Associate Professor P.S.G. College of Technology Peelamedu Coimbatore - 641 004 Tamil Nadu	24.23	24
1630	Development of hermetic encapsulation technique for wafer-level packaging of MEMS sensors	DST-AMT	Dixit,P., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	43.63	24
1631	Development of iron aluminide coated high performance steels	DST-AMT	Debata,M., Dr. (M) Senior Scientist CSIR-Institute of Minerals & Materials Technology Bhubaneswar - 751 013 Odisha	49.58	24
1632	Development of joining process for industrial components through electromagnetic forming	DST-AMT	Ahmed,M., Mr. (M) Scientist CSIR-Advanced Materials & Processes Research Institute Hoshangabad Road Bhopal - 462 026 Madhya Pradesh	49.40	24
1633	Development of portable digital fringe projection scanner for 3-D imaging	DST-AMT	Rao,M.R., Dr. (M) Scientist B Central Manufacturing Technology Institute Tumkur Road Bengaluru - 560 022 Karnataka	77.95	24
1634	Hybrid layered manufacturing using Electron Beam cladding (EB-HLM)	DST-AMT	Karunakaran,K.P., Dr. (M) Chair Professor Indian Institute of Technology (Bombay) Rapid Manufacturing Laboratory, Powai Mumbai - 400 076 Maharashtra	557.85	36
1635	Laser scanning system for inspection of tyres	DST-AMT	Radhakrishna,D., Dr. (F) Scientist-C Central Manufacturing Technology Institute Tumkur Road Bengaluru - 560 022 Karnataka	59.07	36
1636	Metal additive manufacturing by laser cladding process	DST-AMT	Gupta,T.V.K., Dr. (M) Assistant Professor Visvesvaraya National Institute of Technology (Nagpur) Nagpur - 440 010 Maharashtra	66.82	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1637	Micromachining of biomedical materials shape memory alloys using acidithibacillus ferrooxidans & thiooxidans microorganism	DST-AMT	Rajesh,S., Dr. (M) Associate Professor Kalasalingam Academy of Research & Education Anand Nagar Krishnankoil - 626 126 Tamil Nadu	25.72	36
1638	Multi material deposition technology development for complex geometries of aircraft engine components by additive manufacturing	DST-AMT	Vinod,A.R., Mr. (M) Scientist C Central Manufacturing Technology Institute Tumkur Road Bengaluru - 560 022 Karnataka	45.47	24
1639	Near net shape processing of ceramic parts through layered manufacturing	DST-AMT	Chandrasekhar,U., Dr. (M) Professor Er. Perumal Manimekalai College of Engineering Hosur - 635 117 Tamil Nadu	53.09	24
1640	Net shape manufacturing of high temperature components of WC & ZrB2	DST-AMT	Bai,V.S., Dr. (F) Professor Hyderabad University School of Physics Hyderabad - 500 046 Telangana	169.16	36
1641	Physical Unclonable Function (PUF) for electronic & communication security	DST-AMT	Ganguly,U., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	734.36	36
1642	Process development for effective utilization of lignocellulosic natural fibers based thermoplastics hybrid composites for high end structural applications	DST-AMT	Mohanty,S., Dr. (F) Senior Scientist Central Institute of Plastics Engineering & Technology Laboratory for Advanced Research in Polymeric Materials, B/25, CNI Complex, Patia Bhubaneswar - 751 024 Odisha	46.56	24
1643	Proof of concept towards scale up production of nano-gold coating on liposomes for the manufacture liposome-gold nanoparticles (commercial grade) used in photothermal therapy	DST-AMT	Rengan,A.K., Dr. (M) Indian Institute of Technology (Hyderabad) Sangareddy - 502 285 Telangana	48.58	24
1644	Coal gasification of high ash content Indian coal using cyclone gasifiers	DST-CCAT	Dasappa,S., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	195.33	35
1645	Development of an electronically controlled high performance hot surface ignition engine running on methanol for automotive applications	DST-CCAT	Ramesh,A., Prof. (M) Chairman Indian Institute of Technology (Madras) Center for Continuing Education Internal Combustion Engines Laboratory Chennai - 600 036 Tamil Nadu	158.28	36
1646	Indigenous photonic system for real time remote monitoring of air quality	DST-CCAT	Tatavarti,V.S.N.R., Prof. (M) Director & Sr. Professor Gayatri Vidya Parishad College of Engineering Visakhapatnam - 530 048 Andhra Pradesh	69.81	30
1647	Investigation into the planning & design aspects governing the selective coal cutting technology using surface miner for various rock conditions for clean coal production	DST-CCAT	Murthy,V.M.S.R., Prof. (M) Head Indian Institute of Technology (Dhanbad) Dhanbad - 826 004 Jharkhand	336.39	48
1648	Microbial recovery of biogenic methane from coal rejects with Co2 sequestration using novel hybrid geo photobioreactor & reclamation of the site	DST-CCAT	Kumar,R.R., Dr. (M) Professor Bannari Amman Institute of Technology Erode - 638 401 Tamil Nadu	84.40	42
1649	Microbial recovery of biogenic methane from coal rejects with Co2 sequestration using novel hybrid geo photobioreactor & reclamation of the site	DST-CCAT	Sivasubramani,V., Dr. (M) Associate Professor National Institute of Technology (Calicut) Kozhikode - 673 601 Kerala	17.64	42

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1650	Mitigation of air pollution: Micro-to-macro scale study of particle capture by liquid droplets	DST-CCAT	Ray,B., Dr. (F) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	62.08	36
1651	A systematic large scale assessment for potential of Co2 enhanced oil & natural gas recovery in key sedimentary basins in India	DST-CCUS	Vishal,V., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	198.50	36
1652	Adsorption and separation of Co2 by porous carbon obtained from agro-residues & advanced micro porous materials through cost-effective, clean energy methodology	DST-CCUS	Maiti,S., Dr. (F) Senior Scientist CSIR-Central Salt & Marine Chemicals Research Institute Bhavnagar - 364 002 Gujarat	129.96	36
1653	Bench-scale design & development: Investigation of high-frequency, high-intensity ultrasonics for carbon-rich solvent regeneration in solvent-based Post-Combustion Co2 Capture process (PCCC) for reducing Co2 capture energy demand	DST-CCUS	Ambedkar,B., Dr. (M) Associate Professor Sri Sivasubramaniya Nadar College of Engineering Chennai - 603 110 Tamil Nadu	208.97	36
1654	Demonstration of 10,000 lit/day syngas generation	DST-CCUS	Bodoia,A., Dr. (M) Associate Professor CSIR-Indian Institute of Petroleum Dehradun - 248 005 Uttarakhand	72.36	36
1655	Demonstration of a novel concept for converting solar energy into chemical energy	DST-CCUS	Garai,S., Dr. (M) Associate Professor National Institute of Technology (Tiruchirappalli) Tiruchirappalli - 620 015 Tamil Nadu	69.42	36
1656	Development of ageomechanical model for Co2 injection & methane release through experimental studies of matrix shrinkage/swelling, mechanical properties & permeability of coals	DST-CCUS	Dutta,P., Dr. (M) Associate Professor Indian Institute of Engineering Science & Technology Shibpur - 711 103 West Bengal	49.11	36
1657	Development of catalysts & a prototype device for conversion of Co2 to fuels/chemicals	DST-CCUS	Sarkar,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.07	36
1658	Development of hierarchicalnovaal catalyst for one pot conversion of Co2 rich synthesis gas to dimethyl ether & scale-up studies	DST-CCUS	Pant,K.K., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	169.21	36
1659	Development of hybrid multi electrode plasma reactor for energy efficient dry reforming of greenhouse gases	DST-CCUS	Subramaniam,Y., Dr. (M) Assistant Professor Pondicherry University Puducherry - 605 014 Puducherry	74.50	36
1660	Development of integrated technologies for reduction of anthropogenic/industrial waste Co2 to value added chemicals & fuels	DST-CCUS	Peter,S.C., Dr. (M) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research Bengaluru - 560 064 Karnataka	324.32	36
1661	Development of low cost, efficient & scalable materials for Co2 captures using naturally available nontoxic stable materials & industrial solid wastes	DST-CCUS	Ghoroi,C., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	60.09	36
1662	Development of methods for utilisation & conversion of waste Co2 to fuels	DST-CCUS	Devi,N., Dr. (F) Associate Professor CSIR-National Chemical Laboratory Pune - 411 008 Maharashtra	66.37	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1663	Hierarchical porous covalent organic nanosheets & nanosheet based hybrid membranes for carbon capture & of Co2 separation	DST-CCUS	Banerjee,R., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	56.32	36
1664	Integrated Co2 absorption & conversion to methanol in slurry phase reactors using metal complexes as catalyst	DST-CCUS	Upadhyayula,S., Dr. (F) Professor Indian Institute of Technology (Delhi) Department of Chemical Engineering, Hauz Khas New Delhi - 110 016 Delhi	90.25	36
1665	Model based design, synthesis & evaluation of Combined Sorbent Catalyst Material (CSCM) for Co2 capture	DST-CCUS	Soujanya,Y., Dr. (F) Srenior Scientist CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	106.85	36
1666	Nano engineered inorganic halide perovskites for Photo, Electro & Thermochemical (PETC) Co2 reduction: Novel artificial photosynthesis implementation for clean energy generation	DST-CCUS	Joshi,S.S., Dr. (M) Assistant Professor Marathwada Institute of Technology Aurangabad - 431 010 Maharashtra	20.56	36
1667	Structure, interaction & process for energy efficient Co2 separation using noval Ionic liquids supported membranes	DST-CCUS	Dharaskar,S., Dr. (M) Assistant Professor Pandit Deendayal Petroleum University Gandhinagar - 382 007 Gujarat	28.02	36
1668	Studies on CO fuels self- sustaining Unmixed Combustion (UMC) reactor for integrated Co2 capture & power/steam generation	DST-CCUS	Krishnaswamy,S., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani) K.K. Birla, Goa Campus Zuarinagar - 403 726 Goa	45.00	36
1669	Study on new green Co2- capturing solvents	DST-CCUS	Prakash, Dr. (M) Associate Professor Institute of Chemical Technology Nathalal Parekh Marg, Matunga Mumbai - 400 019 Maharashtra	43.70	36
1670	Co2 conversion to artificial (synthetic) liquid fuels by solid oxide electrochemical approach: Photo voltaic to fuels	DST-CERI	Ranjan,C., Dr. (M) Associate Professor Indian Institute of Science Department of Inorganic & Physical Chemistry Bengaluru - 560 012 Karnataka	79.05	36
1671	Development & field demonstration of paddy straw based briquetting plant for decentralized applications in state of Punjab	DST-CERI	Ram,N.K., Dr. (M) Senior Fellow The Energy & Resources Institute Division of Renewable Energy Technology, India Habitat Centre New Delhi - 110 003 Delhi	225.04	24
1672	Development of 3D printed porous Covalent Organic Framework (COF) based hybrid foam like nano structure for the visible light-driven water splitting & carbon dioxide reduction	DST-CERI	Banerjee,R., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Department of Inorganic & Organic Materials Chemistry	70.12	36
1673	Development of novel catalyst for photocatalytic Co2 reduction using sunlight	DST-CERI	Peter,S.C., Dr. (M) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research Department of Chemistry Bengaluru - 560 064 Karnataka	87.14	36
1674	Development of solar to chemical fuel generation device/process based on earth abundant materials	DST-CERI	Chaudhary,Y., Dr. (M) Senior Scientist CSIR-Institute of Minerals & Materials Technology Bhubaneswar - 751 013 Odisha	84.06	36
1675	Earth abundant & scalable two dimensional catalysts for selective photo-electrochemical solar conversion of carbon dioxide to methane/methanol	DST-CERI	Chandiran,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Department of Chemical Engineering Chennai - 600 036 Tamil Nadu	99.46	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1676	Engineering of hybrid organic-inorganic perovskite materials for highly efficient photo electrochemical cells	DST-CERI	Roy,S., Dr. (M) Assistant Professor Calcutta University Department of Chemical Engineering Kolkata - 700 009 West Bengal	52.73	36
1677	Plasmonic nano-gap platforms for solar photo-catalytic applications	DST-CERI	Vasa,P., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Department of Physics, Powai Mumbai - 400 076 Maharashtra	74.02	36
1678	Plasmonic nanomaterials for converting Co2 to fuel using solar	DST-CERI	Polshettiwar,V., Dr. (M) Associate Professor Tata Institute of Fundamental Research Department of Chemical Science, Homi Bhabha Road, Coloba Mumbai - 400 005 Maharashtra	90.32	36
1679	Solar-based smart villages with focus on drinking water, agriculture operations & micro grid system	DST-CERI	Sahoo,P.K., Dr. (M) Associate Professor Odisha University of Agriculture & Technology Department of FMP Bhubaneswar - 751 003 Odisha	5.00	3
1680	Cost effective dot-blot TAS Elisa based diagnostic kit for simultaneous screening of multiple viruses in banana plants	DST-DDP	Rani,P., Prof. (F) Director ICAR-National Research Centre for Banana Tiruchirappalli - 620 102 Tamil Nadu	10.24	18
1681	Cost effective dot-blot TAS Elisa based diagnostic kit for simultaneous screening of multiple viruses in banana plants	DST-DDP	Rani,P., Prof. (F) P.S.G. College of Technology Coimbatore - 641 004 Tamil Nadu	10.24	18
1682	Design & development of an electrostatically actuated null sensor to measure coefficient of friction of soft samples	DST-DDP	Bobji,M.S., Prof. (M) Indian Institute of Science Department of Mechanical Engineering Bengaluru - 560 012 Karnataka	74.78	24
1683	Design & development of communicating device as a teaching aid for hard hearing community	DST-DDP	Mala,A.G.S., Dr. (F) Professor S.R.M. Easwari Engineering College Tiruvallur Chennai - 600 089 Tamil Nadu	16.49	24
1684	Designing a low-cost real time food color monitoring system	DST-DDP	Pal,K., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Rourkela - 769 008 Odisha	38.33	24
1685	Development of a low cost multi-stage platform for microbial analysis of solid food samples	DST-DDP	Singha,S., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Centre for Rural Technology Guwahati - 781 039 Assam	12.52	12
1686	Development of a miniaturized & portable Laser-Induced Breakdown Spectroscopy LIBS set-up for fast identification & sorting of different plastic classes	DST-DDP	Unnikrishnan,V.K., Dr. (M) Associate Professor Manipal University Manipal Academy of Higher Education Udupi - 576 104 Karnataka	24.09	24
1687	Development of a miniaturized & portable Laser-Induced Breakdown Spectroscopy LIBS set-up for fast identification & sorting of different plastic classes	DST-DDP	Unnikrishnan,V.K., Dr. (M) Associate Professor CSIR-National Institute for Interdisciplinary Science & Technology Thiruvananthapuram - 695 019 Kerala	24.09	24
1688	Development of a reliable low cost portable, IoT-enabled, optical devices for measuring PM2.5 concentration in air	DST-DDP	Rai,A.C., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Pilani - 333 031 Rajasthan	35.96	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1689	Development of digital formwork pressure monitoring system using sensors	DST-DDP	Sukumar,B., Dr. (F) Professor R.M.K. Engineering College Tiruvallur Chennai - 601 206 Tamil Nadu	27.21	36
1690	Development of heavy metal Ion sensor for food & water analysis	DST-DDP	Nagaraju,D.H., Dr. (M) Associate Professor Jain University Bengaluru - 562 112 Karnataka	28.84	24
1691	Development of low cost arsenic sensor	DST-DDP	Luwang,M.N., Dr. (M) Scientist CSIR-National Chemical Laboratory Department of Chemical Engineering & Process Development Division Pune - 411 008 Maharashtra	18.89	12
1692	Development of scanning Shack-Hartmann wave-front sensor for in-situ measurement of aspheric & freeform optical surface	DST-DDP	Khan,G.S., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Department of Instruments Design Development Centre, Hauz Khas New Delhi - 110 016 Delhi	45.39	24
1693	Hand held advanced moisture meter for made tea	DST-DDP	Shivling,V.D., Dr. (M) Principal Scientist CSIR-Central Scientific Instruments Organization Division of Agricultural Electronic Instruments Chandigarh - 160 030 Chandigarh	28.79	24
1694	MEMS 3-axis accelerometer for orientation & vibration measurements	DST-DDP	Sundar,R., Dr. (M) Rajalakshmi Engineering College Department of Electronics & Communication Engineering Chennai - 602 105 Tamil Nadu	40.14	36
1695	MEMS 3-axis accelerometer for orientation & vibration measurements	DST-DDP	Sujatha,L., Dr. (F) Rajalakshmi Engineering College Department of Electronics & Communication Engineering Chennai - 602 105 Tamil Nadu	40.14	36
1696	'OptMe'- An opto-electronic sensing system for the detection of freshness in meat products	DST-DDP	Ganesh,A.B., Dr. (M) Professor Velammal College of Engineering & Technology Madurai - 625 009 Tamil Nadu	24.00	18
1697	Solar assisted liquid desiccant cooling system using single storage tank	DST-DDP	Subudhi,S., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	31.86	24
1698	Tensiometer based automated IoT system for irrigation	DST-DDP	Majumdar,S., Dr. (M) Associate Professor National Institute of Technology (Meghalaya) Bijni Complex Shillong - 793 003 Meghalaya	16.85	24
1699	2D material informatics for lithium ion storage	DST-HFC	Mahapatra,S., Prof. (M) Indian Institute of Science Department of Electronics Systems Engineering Bengaluru - 560 012 Karnataka	95.04	36
1700	2D transition metal layered double hydroxides: A cost-effective catalyst for hydrogen production by (photo) electrochemical water splitting	DST-HFC	Roy,P., Dr. (F) Senior Scientist CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	96.43	36
1701	Bio-inspired hydrogen evolution from water: Troubleshooting practical limitations	DST-HFC	Dey,A., Dr. (M) Associate Professor Indian Association for the Cultivation of Science 2a Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	91.26	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1702	Biomass derived heteroatom doped graphene & hard carbon composites for energy storage application	DST-HFC	Nataraj,S.K., Dr. (M) Associate Professor Jain University P.O. Jakkasandra, Kanakapura Taluk Ramanagara - 562 112 Karnataka	65.85	36
1703	Boosting the H2 economy by harnessing the beauty of encapsulation chemistry: Augmented kinetics for water splitting reaction under confinement	DST-HFC	Garai,S., Dr. (M) Assistant Professor Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	66.42	36
1704	Computational design & experimental development of Na- Ion battery materials & technology	DST-HFC	Nair,S., Dr. (M) Director & Dean Amrita Vishwa Vidyapeetham Centre for Nanosciences, P.O. AIMS Kochi - 682 041 Kerala	83.31	36
1705	DEEP: Development of an Efficient Photoelectrode for hydrogen fuel from water	DST-HFC	Kumar,P., Dr. (M) Assistant Professor Indian Association for the Cultivation of Science Jadavpur Kolkata - 700 032 West Bengal	56.17	36
1706	Demonstration & validation of hydrogen ecosystem for stationary power backup application for telecommunication towers	DST-HFC	Bhat,S.D., Dr. (M) Senior Scientist CSIR-Central Electrochemical Research Institute Taramani Chennai - 600 113 Tamil Nadu	385.82	36
1707	Design & development of 2-D SnS based nanostructures coupled with plasmonic Sn nanosheets for super capacitor applications	DST-HFC	Warrier,A.R., Dr. (F) Assistant Professor Academy of Maritime Education & Training Univrsity (AMET) 135, East Coast Road, Kanathur Chennai - 603 112 Tamil Nadu	36.96	36
1708	Design & development of bio-based novel liquid crystalline conductive electrodes & electrolytes for high performing flexi-energy storage devices	DST-HFC	Shelke,M., Dr. (F) Senior Scientist CSIR-National Chemical Laboratory B101, PAML, Dr. Homi Bhabha Road Pune - 411 008 Maharashtra	29.62	12
1709	Design & development of graphene reinforced carbon fiber/epoxy composite based light weight high pressure hydrogen storage cylinder for vehicular application	DST-HFC	Murmu,N.C., Dr. (M) Sr. Principal Scientist & Head CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	76.69	36
1710	Design & development of mxenes enabled carbon nanostructured materials for Li-S batteries	DST-HFC	Singh,K., Dr. (M) Scientist CSIR-Central Electrochemical Research Institute Lithium Ion Battery Group Chennai - 600 113 Tamil Nadu	62.15	36
1711	Design & testing of robust & flexible 3D printed electrodes with novel porous architecture guided by graph theory & molecular simulations for high energy density applications	DST-HFC	Radhakrishna,M., Prof. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Academic Block 4-407, Palaj Gandhinagar - 382 355 Gujarat	65.10	36
1712	Design, development & demonstration of 1kW (1kWh) vanadium redox flow battery for stationary application	DST-HFC	Verma,A., Prof. (M) Indian Institute of Technology (Delhi) Department of Chemical Engineering, Hauz Khas New Delhi - 110 016 Delhi	144.71	36
1713	Design, development, testing & evaluation of a lean premixed swirl-stabilized gas turbine combustor for stationary power generation using high-hydrogen-content fuel	DST-HFC	De,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	256.33	36
1714	Development & testing of nano-doped hybridized biodiesel as pilot fuel for hydrogen duel fuel operation in a CI engine	DST-HFC	Paul,A., Dr. (M) Assistant Professor National Institute of Technology (Silchar) Silchar - 788 010 Assam	51.85	36



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1715	Development of compressed hydrogen-fuel cell integrated system suitable for light duty vehicles	DST-HFC	Ghosh,P.C., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	467.71	36
1716	Development of earth abundant heterostructured photocatalyst based solar H <sub>2</sub> generation reactor/process	DST-HFC	Chaudhary,Y.S., Dr. (M) Senior Scientist CSIR-Institute of Minerals & Materials Technology Acharya Vihar Bhubaneswar - 751 013 Odisha	69.12	36
1717	Development of efficient & robust working electrodes/photocatalysts for solar energy conversion to hydrogen via photoelectrochemical/ photocatalytic splitting of water: Next level up-scaling of laboratory experience	DST-HFC	Srivastava,R., Dr. (M) Professor Dayalbagh Educational Institute Agra - 282 005 Uttar Pradesh	54.34	36
1718	Development of high energy density lithium ion capacitor with graphite/carbon aerogel electrodes through safe prelithiation method	DST-HFC	Jacob,S.K., Dr. (M) Scientist C Centre for Materials for Electronics Technology (C-MET) Shoranur Road, Athani, Mulangunnathukavu Thrissur - 680 581 Kerala	78.62	36
1719	Development of low cost, long cycle life sodium-ion batteries for grid energy	DST-HFC	Senguttuvan,P., Dr. (M) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research New Chemistry Unit Bengaluru - 560 064 Karnataka	60.36	36
1720	Development of mesoporous TiN@nitrogen-doped carbon nano-structured support materials with less-Pt electrocatalysts for durable & low-cost PEM fuel cells	DST-HFC	Biji,P., Dr. (F) Associate Professor P.S.G. Institute of Advanced Studies Peelamedu Coimbatore - 641 004 Tamil Nadu	53.90	36
1721	Development of Metal Organic Framework (MOF) based electro catalyst for fuel cell application	DST-HFC	Jha,N., Dr. (F) Assistant Professor Institute of Chemical Technology Nathalal Parekh Marg, Matunga Mumbai - 400 019 Maharashtra	33.06	36
1722	Development of micro Solid Oxide Fuel Cells ( $\mu$ -SOFC) in Low Temperature Co-fired Ceramic (LTCC) technology	DST-HFC	Joseph,S., Dr. (M) Scientist Centre for Materials for Electronics Technology (C-MET) Panchwati, Off Pashan Road Pune - 411 008 Maharashtra	212.17	36
1723	Development of nanostructured mixed metal oxide and metal chalcogenide materials based effective electrodes & their use in supercapacitor devices	DST-HFC	Deka,S., Dr. (M) Associate Professor Delhi University Department of Chemistry Delhi - 110 007 Delhi	57.82	36
1724	Development of portable direct methanol fuel cell power generator with bi-functional catalysts-coated hydrocarbon membranes	DST-HFC	Gnanakumar,G., Dr. (M) Assistant Professor Madurai Kamaraj University Madurai - 625 021 Tamil Nadu	60.64	36
1725	Development of visible light active functional materials for efficient photocatalytic & photoelectrocatalytic generation of hydrogen	DST-HFC	Sathish,M., Dr. (M) Scientist CSIR-Central Electrochemical Research Institute Karaikudi - 630 003 Tamil Nadu	38.52	36
1726	DST-IISC energy storage platform on super capacitors	DST-HFC	Aetukuri,N.P.B., Dr. (F) Professor Indian Institute of Science Solid State & Structural Chemistry Unit Bengaluru - 560 012 Karnataka	999.81	60

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1727	DST-IIT Delhi, energy storage platform on batteries	DST-HFC	Basu,S., Dr. (M) Director Indian Institute of Technology (Delhi) Department of Chemical Engineering, Hauz Khas New Delhi - 110 016 Delhi	1087.57	60
1728	Earth abundant metal based electrode materials for energy storage applications	DST-HFC	Ganguli,A.K., Prof. (M) Indian Institute of Technology (Delhi) Department of Chemistry, Hauz Khas New Delhi - 110 016 Delhi	64.73	36
1729	Exploring the active sites of nitrogen & boron containing/doped materials: N-C-B & N2-C-B type active sites for electrocatalytic 4-electron oxygen reduction reaction	DST-HFC	Muthukrishnan,A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Thiruvananthapuram) P.O Maruthamala, Vithura Thiruvananthapuram - 695 016 Kerala	50.83	36
1730	Fabrication & demonstration of all- solid-state high performance flexible super capacitor device	DST-HFC	Pradhan,D., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Materials Science Centre Midnapore - 721 302 West Bengal	40.89	36
1731	Fabrication of high energy density super capacitor devices based on metal oxide/carbon hybrid composite electrodes using reactive magnetron sputtering technique	DST-HFC	Chandra,R., Prof. (M) Indian Institute of Technology (Roorkee) B-13, Hill View Apartment Roorkee - 247 667 Uttarakhand	95.38	36
1732	Facile synthesis & development of 3D-graphene/WS2/oxidized-CNT nanohybrids as advanced electrode materials for high performance flexible supercapacitors	DST-HFC	Kundu,M., Prof. (M) Assistant Professor S.R.M. Institute of Science & Technology Department of Researc, Kancheepuram Kattankulathur - 603 203 Tamil Nadu	55.08	36
1733	High energy density sodium-ion batteries using alluaudite & mixed-polyanionic class of cathode materials	DST-HFC	Barpanda,P., Dr. (M) Assistant Professor Indian Institute of Science Faraday Materials Laboratory, Materials Research Center, C.V. Raman Avenue Bengaluru - 560 012 Karnataka	69.40	36
1734	High performance aqueous redox flow batteries based on redox active polymers & Janus membranes	DST-HFC	Tripathi,B.P., Dr. (M) Professor Indian Institute of Technology (Delhi) Department of Materials Science & Engineering, Hauz Khas New Delhi - 110 016 Delhi	48.39	36
1735	High-performance graphene-based supercapacitors	DST-HFC	Ballav,N., Dr. (M) Professor Indian Institute of Science Education & Research (Pune) Department of Chemistry, Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	72.28	36
1736	Hydrogen storage materials: Optimization of known materials, developing new storage materials & finding exploratory application	DST-HFC	Shaz,M.A., Dr. (M) Associate Professor Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	63.68	36
1737	Improved hydrogen production from biogas using sorption enhanced reforming	DST-HFC	Vaidya,P.D., Dr. (M) Associate Professor Institute of Chemical Technology Nathalal Parekh Marg, Matunga Mumbai - 400 019 Maharashtra	40.08	36
1738	Indigenous polymer electrolyte membranes for energy devices: Redox flow battery & reverse electrodialysis	DST-HFC	Nafgarale,R.K., Dr. (M) Senior Scientist CSIR-Central Salt & Marine Chemicals Research Institute G.B. Marg Bhavnagar - 364 002 Gujarat	50.22	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1739	Integrated self-powered energy storage system	DST-HFC	Lakshminarasimhan,N., Dr. (M) Senior Scientist CSIR-Central Electrochemical Research Institute Division of Functional Materials Karaikudi - 630 003 Tamil Nadu	53.21	36
1740	Ionogel Electrolyte Membrane Fuel Cell (IEMFC) with Plasma Electrolytic Nitrided (PEN) metallic bipolar plate & effective flow field design	DST-HFC	Neelakantan,L., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	56.74	36
1741	Metal Organic Material (MOM) embedded electrospun Carbon Nano Fiber (CNF) for symmetric & asymmetric supercapacitor	DST-HFC	Koner,R.R., Dr. (F) Assistant Professor Indian Institute of Technology (Mandi) School of Engineering, Kamand Campus Mandi - 175 005 Himachal Pradesh	51.68	36
1742	Mitigating dendrite growth using engineered electrolyte layers for the development of high energy density, long cycle life lithium batteries	DST-HFC	Shanmugharaj,A.M., Dr. (M) Associate Professor Vels University Vels Institute of Science, Technology & Advanced Studies, Pallavaram Chennai - 600 117 Tamil Nadu	64.44	36
1743	Noble-metal free advanced catalysts for hydrogen generation & fuel cell applications	DST-HFC	Shaijumon,M.M., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Thiruvananthapuram) P.O. Maruthamala, Vithura Thiruvananthapuram - 695 551 Kerala	52.92	36
1744	Non-Pt based alloys & intermetallics as efficient electrode materials for the energy conversion in fuel cell	DST-HFC	Peter,S.C., Prof. (M) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research Post Jakkur Bengaluru - 560 064 Karnataka	35.03	36
1745	Oxynitride- composites based low weight supercapacitor unit materials enhancement & device development	DST-HFC	Thomas,T., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Department of Metallurgical & Materials Engineering Chennai - 600 036 Tamil Nadu	35.99	36
1746	Palladium & magnesium based hybrid nanocluster structures for high gravimetric capacity hydrogen storage	DST-HFC	Nagar,D.J., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Thiruvananthapuram) P.O. Maruthamala, Vithura Thiruvananthapuram - 695 016 Kerala	70.74	36
1747	Room temperature aqueous phase alcohol dehydrogenation with electricity generation	DST-HFC	Musthafa,M.O.T., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	37.19	36
1748	Studies on the strength & durability of ZnO nanowire/T1000 carbon/epoxy composites for flywheel energy storage	DST-HFC	Gowthaman,S., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Department of Mechanical Engineering, Kancheepuram, Melakkottaiyur Chennai - 600 127 Tamil Nadu	41.25	36
1749	Sulphur nanoparticles reinforced hierarchical assemblies of carbon nanotubes for efficient lithium-sulphur batteries	DST-HFC	Ahmad,S., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) Department of Physics, NH65, Karwad Jodhpur - 342 037 Rajasthan	86.87	36
1750	Thermoresistant polymer-derived microporous ceramic membranes for separation of hydrogen & carbon monoxide/carbon dioxide in hydrogen production	DST-HFC	Prasad,R.M., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Rupnagar - 140 001 Punjab	70.28	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1751	Transition metals doped strontium zirconate & strontium manganite perovskite for solid oxide fuel cell applications	DST-HFC	Singh,K., Dr. (M) Professor & Associate Dean Thapar Institute of Engineering & Technology Patiala - 147 004 Punjab	52.41	36
1752	Unraveling the potential of graphene quantum dots for hydrogen storage in fuel cells	DST-HFC	Kundalwal,S.I., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Simrol Indore - 453 552 Madhya Pradesh	26.79	36
1753	Use of bio-hydrogen for PEM fuel stacks research & demonstration	DST-HFC	Dasappa,S., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	368.26	36
1754	Vertically oriented grapheme nanosheets on graphite for high specific capacitance ultracapacitor electrode	DST-HFC	Shukla,A., Dr. (M) Professor Indian Institute of Technology (Delhi) Department of Chemical Engineering, II-290, Hauz Khas New Delhi - 110 016 Delhi	50.08	36
1755	Virtual energy storage based demand response algorithm to enhance the performance of the battery energy storage in smart grid	DST-HFC	Krishnasamy,V., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing School of Computer & Electrical Engineering, Kancheepuram Chennai - 600 127 Tamil Nadu	27.49	36
1756	13th Asian Science Camp 2019	DST-IBC	Director, The Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	23.96	36
1757	3D printed flexible optical fibers using biodegradable PHBV/graphene nanocomposites for biophotonics	DST-IBC	Nagarajan,R., Dr. (F) Kalasalingam Academy of Research & Education Virudhunagar - 626 128 Tamil Nadu	7.80	36
1758	A new framework of high value added zero-waste recycling of construction & demolition waste	DST-IBC	Gettu,R., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	33.86	36
1759	Advanced coordinated control & protection of intelligent DC microgrids	DST-IBC	Rajpurohit,B.S., Dr. (M) Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	11.82	36
1760	Analysis & numerical methods for population balance equations	DST-IBC	Giri,A.K., Dr. (M) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	5.71	36
1761	Analysis of human action in unconstrained videos	DST-IBC	Chaudhuri,S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	17.66	36
1762	Anti-microbial peptide (LL37) loaded multifunctional 3D collagen scaffold for vascularized bone tissue regeneration	DST-IBC	Mohanani,P.V., Dr. (M) Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 001 Kerala	5.04	36
1763	Archival vector DNA data storage	DST-IBC	Gupta,M.K., Prof. (M) Dhirubhai Ambani Institute of Information Communication Technology Gandhinagar - 382 007 Gujarat	12.78	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1764	Assessment of fire performance of structural elements & structural systems through conventional fire tests & hybrid fire simulation	DST-IBC	Sahoo,D.R., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	59.99	36
1765	Atomically precise alloy nanocluster as promising electro-catalyst for carbon dioxide & nitrogen reduction	DST-IBC	Mandal,S., Dr. (M) Indian Institute of Science Education & Research (Thiruvananthapuram) Thiruvananthapuram - 695 551 Kerala	6.10	36
1766	Basic approaches for the development of biochar & rhizobacteria based bioformulation & its effects on crop growth & productivity in heavy metal contaminated Arid/Semi-Arid regions in India & Russia	DST-IBC	Rajkumar,M., Prof. (M) Bharathiar University Coimbatore - 641 046 Tamil Nadu	23.07	36
1767	Belgo-Indian network for astronomy & astrophysics (Part2)	DST-IBC	Joshi,S., Prof. (M) Aryabhata Research Institute of Observational Sciences Nainital - 263 002 Uttarakhand	33.71	36
1768	Big data & precision medicine	DST-IBC	Srivastava,S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	8.13	36
1769	Biofabricating micronutrient based nanoparticles as high performance fertilizer as their efficacy to increase nutrient use efficiency, plant growth & quality attributes of medicinal crops (Trachyspermum ammi & Thymus daenesis)	DST-IBC	Rajiv,P., Dr. (M) Karpagam University Department of Biotechnology, Karagam Academy of Higher Education Coimbatore - 641 021 Tamil Nadu	7.62	36
1770	Biotechnological approaches for prevention & control of fish disease in Aquaculture (BIOQUA)	DST-IBC	Maiti,B., Dr. (M) Nitte University Centre for Science Education & Research Mangalore - 575 018 Karnataka	45.32	36
1771	BRICS Young Scientist Forum Secretariat (NIAS)	DST-IBC	Director, The Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	63.00	36
1772	Business & innovation summit at Singapore during September, 2019	DST-IBC	Kumar,V., Dr. (M) National Innovation Foundation-India Ahmedabad - 382 650 Gujarat	10.45	36
1773	C.R. Edit - RISPR/Cas9 edition to test & control genes implicated in influencing Aeromonas disease resistance in carp & salmon	DST-IBC	Sahoo,P.K., Dr. (M) ICAR-Central Institute of Freshwater Aquaculture Bhubaneswar - 751 002 Odisha	34.84	36
1774	Capsicum germplasm exploitation for resistance against important Capsicum viruses across Bulgaria & India	DST-IBC	Pramesh, Dr. (M) Agricultural Sciences University Gangavathi Raichur - 583 227 Karnataka	11.82	36
1775	Cellulose nanocrystal reinforced pH-responsive PVA-gum tragacanth based proangiogenic smart wound dressings for Diabetic foot care	DST-IBC	Banerjee,I., Dr. (M) National Institute of Technology (Rourkela) Rourkela - 769 001 Odisha	10.95	36
1776	Characterization of complex droplets	DST-IBC	Basu,S., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	11.15	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1777	CHARM: Context-aware Human Activity Recognition & Monitoring for intelligent vehicles	DST-IBC	Babu,R.V., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	30.01	36
1778	CO2 as a building block for synthesis of fine chemical & fuel over functionalized materials	DST-IBC	Chowdhury,B., Prof. (M) Indian Institute of Technology (Dhanbad) Dhanbad - 826 004 Jharkhand	63.12	36
1779	Co-development of innovative strategies for toxicology & analytical procedures	DST-IBC	Jain,R., Mrs. (F) Global Innovation & Technology Alliance New Delhi - 110 003 Delhi	165.00	36
1780	Combinatorial exploration & property control of oxide based power semicondutors	DST-IBC	Kumaragurubaran,S., Prof. (M) Indian Institute of Science Education & Research (Thiruvananthapuram) Thiruvananthapuram - 695 551 Kerala	5.45	36
1781	Compact "Table-Top" powerful terahertz source by laser matter interactions & some applications	DST-IBC	Gupta,D.N., Dr. (M) Delhi University Delhi - 110 007 Delhi	24.33	36
1782	Complex Cu-containing semiconductors & layered structures for economically-viable, environmentally-benign, & high-performance ultrathin solar cells	DST-IBC	Mukherjee,S., Dr. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	36.84	36
1783	Computational studies of drug targets towards rational design of antiviral therapeutics for Dengue infection	DST-IBC	Latha,N., Dr. (F) Sri Venkateswara College New Delhi - 110 021 Delhi	10.95	36
1784	Concentrating Solar Thermophilic Anaerobic Reactor for Municipal Solid Waste (COSTARMSW)	DST-IBC	Vijay,V.K., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	21.60	36
1785	Contemporary approaches for processing & analysis of multidimensional signals in telecommunications	DST-IBC	Singh,P., Dr. (M) Deenbandhu Chhotu Ram University of Science & Technology Murthal - 131 039 Haryana	11.82	36
1786	Control & observation of Stewart platform	DST-IBC	Bandyopadhyay,B., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	15.84	36
1787	Controlling of the abnormal grain growth in friction stir weld joints of heat treatable aluminum alloy	DST-IBC	Dwivedi,D.K., Dr. (M) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	46.25	36
1788	Conversion of wet waste to fuel & value-added products using hydrothermal carbonization	DST-IBC	Garg,A., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	26.90	36
1789	Cosmological dark matter, primordial black holes, Bose-Einstein condensates & charge asymmetry of the universe	DST-IBC	Ranarajan,R., Prof. (M) Ahmedabad University Ahmedabad - 380 009 Gujarat	40.91	36
1790	Cross-linked hetero structures of h-BCN Nanowalls & two-dimensional nanosheets	DST-IBC	Varrrla,E., Dr. (M) S.R.M. University Kattankulathur - 603 203 Tamil Nadu	25.53	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1791	Cryptanalytic study on stream ciphers	DST-IBC	Sarkar,S., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	4.31	36
1792	Data-driven control & optimization for a highly Efficient Distribution Grid (ID-EDGE)	DST-IBC	Padhy,N.P., Prof. (M) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	175.35	36
1793	Design & analysis of Mathmaterial based antenna for wearable application	DST-IBC	Gupta,N., Dr. (M) Birla Institute of Technology & Science (Pilani) Pilani - 333 031 Rajasthan	11.82	36
1794	Design & development of modular multilevel converters for large scale grid connected photovoltaic & battery energy storage systems	DST-IBC	Das,A., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.80	36
1795	Design & investigation of new multicomponent crystalline forms of nonsteroidal antiandrogen drugs	DST-IBC	Sridhar,B., Dr. (M) CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	20.90	36
1796	Design & optimization biocompatible optical nanostructures for biomedical applications	DST-IBC	Chandra,R., Prof. (M) Delhi University Delhi - 110 007 Delhi	39.38	36
1797	Design of two-dimensionally self-assembled organic semiconductors	DST-IBC	Ghosh,S., Dr. (M) Indian Association for the Cultivation of Science Kolkata - 700 032 West Bengal	4.54	36
1798	Designing of biocompatible coatings with antibacterial properties for polypropylene surgical meshes for improvement their functionality	DST-IBC	Pal,K., Dr. (M) National Institute of Technology (Rourkela) Rourkela - 769 001 Odisha	10.40	36
1799	Developing & antileishmainal vaccine for non-clinical & preclinical studies	DST-IBC	Pai,K., Dr. (F) Banaras Hindu University Ajagara Varanasi - 221 005 Uttar Pradesh	6.85	36
1800	Developing explainable artificial intelligence for connected & autonomous vehicles	DST-IBC	Dasgupta,P., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	17.60	36
1801	Development of a biocompatible vehicle for sustained delivery of lactobacillus spores as treatment modalities for bacterial vaginosis	DST-IBC	Ponmozhi,J., Prof. (F) Institute of Engineering & Science Indore - 452 012 Madhya Pradesh	5.88	36
1802	Development of a stand-alone spray assisted solar thermal desalination system	DST-IBC	Kumar,A., Dr. (M) Delhi Technological University New Delhi - 110 042 Delhi	5.18	36
1803	Development of an integrated magnetic sensor featuring a microwave-assisted nanoferrite-film for high sensitivity magnetocardiographic measurement	DST-IBC	Bhat,N., Prof. (M) Indian Institute of Science Centre for Nano Science & Engineering, C.V. Raman Avenue Bengaluru - 560 012 Karnataka	5.86	36
1804	Development of bioactive yet antibacterial coatings with enhanced Osseointegration & ability to fight infection	DST-IBC	Subramanian,B., Dr. (M) CSIR-Central Electrochemical Research Institute Karaikudi - 630 003 Tamil Nadu	24.45	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1805	Development of biodegradable nano-formulation to control post-harvest losses in vegetable & fruits	DST-IBC	Saharan,V., Dr. (M) Maharana Pratap University of Agriculture & Technology Udaipur - 313 001 Rajasthan	5.61	36
1806	Development of composite thin films with simultaneous diffraction & magnetic properties	DST-IBC	Lad,V.N., Dr. (M) Sardar Vallabhbhai National Institute of Technology Surat - 395 007 Gujarat	25.31	36
1807	Development of control & power electronics schemes for a smart micro grid with high penetration of PV generation & electric vehicles	DST-IBC	Subudhi,B., Dr. (M) National Institute of Technology (Rourkela) Rourkela - 769 001 Odisha	34.98	36
1808	Development of cyclic saccharide-based synthetic chloride transporters & evaluation of their apoptosis including activity	DST-IBC	Talukdar,P., Dr. (M) Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	98.81	36
1809	Development of heat transfer enhancement methods at boiling & evaporation on horizontal tube bundles for falling films & forced flow of liquids	DST-IBC	Das,M.K., Dr. (M) Indian Institute of Technology (Bhubaneswar) Bhubaneswar - 751 003 Odisha	30.27	36
1810	Development of nano-structured Titanium implants with bioactive & antibacterial composite coatings for dental & maxillofacial applications	DST-IBC	Babu,N.R., Dr. (M) National Institute of Technology (Tiruchirappalli) Tiruchirappalli - 620 015 Tamil Nadu	94.04	36
1811	Development of non-contact type method for heart vibration parameters estimation for sleep disordered breathing analysis	DST-IBC	Singh,S., Dr. (M) National Institute of Technology (Delhi) New Delhi - 110 040 Delhi	2.47	36
1812	Development of novel hybrid composites for bone plastics based on biocompatible calcium phosphates & biopolymers	DST-IBC	Sridhar,S.M., Dr. (M) Jyothy Institute of Technology Bengaluru - 560 082 Karnataka	10.40	36
1813	Development of novel hybrid materials based on mesoporous MOFs & encapsulated Au/Ag nanoparticles for catalytic conversion of acetylic molecules & sensing applications	DST-IBC	Bisht,K.K., Dr. (M) Government Post Graduate College Uttar Kashi - 249 193 Uttarakhand	35.25	36
1814	Development of novel mechanical characterization method for bio-polymeric nanomaterial using newly fabricated micro & nano-mechanical tools	DST-IBC	Subramani,R., Dr. (M) P.S.G.R. Krishnammal College for Women Coimbatore - 641 004 Tamil Nadu	35.03	36
1815	Development of strategies for improving reliability & economic performance of microgrid	DST-IBC	Ray,P.K., Dr. (M) National Institute of Technology (Rourkela) Rourkela - 769 001 Odisha	10.95	36
1816	Development of sustainable environment/energy technologies in south India	DST-IBC	Mohan,D., Dr. (M) Rajalakshmi Engineering College Department of Science & Humanities Thandalam - 602 105 Tamil Nadu	3.85	36
1817	Development of test methods for control of heavy metals in water for environmental monitoring & prevention of health risks	DST-IBC	Gaur,M.S., Prof. (M) Hindustan College of Science & Technology Mathura - 281 122 Uttar Pradesh	31.82	36
1818	Development of theranostic targeted magnetic nanoparticles for diagnostics & treatment of Tuberculosis	DST-IBC	Sonawane,A., Dr. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	40.97	36



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1819	Development of thick & thin NiTi shape memory alloy intelligent porous structures using laser & wire arc additive manufacturing WAAM for functional applications	DST-IBC	Palani,I.A., Dr. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	81.19	36
1820	Diffusion bonding for joining of similar & dissimilar metals using innovating approaches for enhanced joint performance	DST-IBC	Dwivedi,D.K., Dr. (M) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	7.12	36
1821	Digital twin modeling for automation, maintenance & monitoring in industry 4.0 smart factory	DST-IBC	Venkataraman,H., Prof. (M) Indian Institute of Information Technology Chittoor - 517 646 Andhra Pradesh	23.53	36
1822	Disentangling mass changes of debris-covered glaciers	DST-IBC	Ramanathan,A.L., Prof. (M) Jawaharlal Nehru University Aruna Asaf Ali New Delhi - 110 067 Delhi	9.20	36
1823	Distinct Phase stabilization & its structural impact on magnetoelectric coupling in pyrochlore Bi <sub>2</sub> -xMxWO <sub>6</sub> (M= Mn, Fe, Co) for induced multiferroicity	DST-IBC	Balakumar, Prof. (M) Madras University Chennai - 600 005 Tamil Nadu	23.35	36
1824	Distributed EV charge scheduling & consensus based control for EV charging network	DST-IBC	Misra,R., Dr. (M) Indian Institute of Technology (Patna) Patna - 801 106 Bihar	8.82	36
1825	Effect of mitochondrial targeted peptides & modulators of mitochondrial activity on tumor cells in vitro & in vivo systems	DST-IBC	Parmar,H.S., Dr. (M) Devi Ahilya Vishwavidyalaya Indore - 452 001 Madhya Pradesh	10.40	36
1826	Emergence of coherent structures in brain neural network during sensory information processing experiment & theoretical analysis	DST-IBC	Ghosh,D., Dr. (M) Indian Statistical Institute Kolkata - 700 108 West Bengal	16.34	36
1827	Emotion classification in children's speech by humans & machines cross - cultural study	DST-IBC	Ruban,N., Dr. (M) Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	32.60	36
1828	Enabling the targeted delivery of novel P21 activated kinase 1 (Pak1) inhibitors to aggressive glioblastoma cells by conjugating to tumor specific peptides selected from phage peptide library	DST-IBC	Kumar,R.S., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	82.22	36
1829	Engineering photoluminescence of tungsten sulfide through doping & electrical biasing	DST-IBC	Balakrishnan,V., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	9.30	36
1830	Environment stable electrolyte-gated circuits & applications	DST-IBC	Dasgupta,S., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	15.16	36
1831	Eruptions flows & waves in solar atmosphere & their role in space weather	DST-IBC	Chandra,R., Dr. (M) Kumaun University DSB Campus Nainital - 263 002 Uttarakhand	11.82	36
1832	Estimation of heat content and its variability depending on the determining factors in the arctic seas from multi-mission satellite & in-situ observation data	DST-IBC	Shanmugam,P., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	27.57	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1833	Estimation of physical properties of slag & investigation of slag morphology during solidification & development of Mathematical model to estimate heat transfer coefficient in continuous casting molds	DST-IBC	Shukla,A.K., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	15.84	36
1834	Evolution of ductility of bulk amorphous alloys Zrbased subjected to severe plastic deformation & other treatments	DST-IBC	Bhatt,J., Prof. (M) Visvesvaraya National Institute of Technology (Nagpur) Nagpur - 440 010 Maharashtra	10.43	36
1835	Exotic magnetic properties & spin dynamics of low dimensional & frustrated quantum magnets	DST-IBC	Khuntia,P., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	90.89	36
1836	Experimental & numerical research on contact friction in the process of plastic deformation by means of compression with torsion	DST-IBC	Dixit,U.S., Prof. (M) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	26.29	36
1837	Expert committee meeting at Andhra University, Visakhapatnam during 29th, 30th & 31st July, 2019 for evaluation of BRICS R&D project proposals	DST-IBC	Rao,R., Prof. (M) Andhra University Visakhapatnam - 530 003 Andhra Pradesh	9.20	36
1838	Exploiting the Zn-ferrite thin films material: An assortment of spintronics devices	DST-IBC	Bohra,M., Dr. (M) Mahindra University Mahindra Ecole Centrale Hyderabad - 500 043 Telangana	11.82	36
1839	Exploring ruthenium based metallodendrimers for improved anticancer activity & mode of action	DST-IBC	Mukhopadhyay,S., Prof. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	11.82	36
1840	Exploring the natural diversity in tomato germplasm for phosphate starvation responses	DST-IBC	Kumar,R., Dr. (M) Hyderabad University Gachibowli Hyderabad - 500 046 Telangana	11.82	36
1841	Extreme events in networks of dynamical systems	DST-IBC	Pal,P., Dr. (M) National Institute of Technology (Durgapur) Durgapur - 713 209 West Bengal	11.80	36
1842	Fabrication of a biodegradable elastomeric microfluidics device	DST-IBC	Mazumdar,N., Dr. (M) Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	10.95	36
1843	Fate & transport of pesticides during bank filtration from managed aquifer recharge	DST-IBC	Renqanayaki,S.P., Dr. (F) Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	6.86	36
1844	Financial approval for organizing terminal review meeting of DST supported India-EU INNO INDIGO health projects	DST-IBC	Mehndiratta,M.M., Prof. (M) Janakpuri Super Speciality Hospital New Delhi - 110 058 Delhi	2.94	36
1845	Fire performance of aged reinforced concrete structures	DST-IBC	Sharma,U.K., Dr. (M) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	38.45	36
1846	FPGA based system for registration of diffraction patterns	DST-IBC	Nandal,A., Dr. (F) Manipal University Jaipur - 303 007 Rajasthan	11.82	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1847	Frontiers in molecular spectroscopy: From fundamentals to applications in Chemistry & Biology	DST-IBC	Chandra,A., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	9.06	36
1848	Functional reactive program verification	DST-IBC	Manjunatha,P., Dr. (M) Chennai Mathematical Institute Chennai - 603 103 Tamil Nadu	9.86	36
1849	Fundamental study on carotid artery stenting using numerical simulation	DST-IBC	Pai,R., Prof. (M) Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	7.28	36
1850	Genomic & metagenomic studies of freshwater sponges (Porifera, Spongillida) in the two hot spots of speciation: Lake Baikal (Russia) & Western Ghats (India)	DST-IBC	Selvin,J., Prof. (M) Pondicherry University Puducherry - 605 014 Puducherry	32.58	36
1851	Geochemistry, detailed mineral chemistry & ore potential of Amba Dongar & Newania carbonatite complexes	DST-IBC	Ghatak,A., Dr. (F) Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	33.51	36
1852	Geo-electrical characterization of the fault zone in the Himalayan foothills & sub-Himalayan region in & around Mohand area Uttarakhand	DST-IBC	Israil,M., Dr. (M) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	11.80	36
1853	Global Knot theory invariants & classification	DST-IBC	Gongopadhyay,K., Dr. (M) Indian Institute of Science Education & Research (Mohali) Mohali - 140 306 Punjab	37.79	36
1854	Government of India's matching core grants to Indo-US Science & Technology forum	DST-IBC	Director, The Indo-US Science & Technology Forum Fulbright House, 12 Hailey Road New Delhi - 110 001 Delhi	123.72	36
1855	Green & sustainable catalysts based on zeolites for oxidative transformation reactions	DST-IBC	Bora,U., Dr. (M) Tezpur University Tezpur - 784 028 Assam	11.82	36
1856	Greenhouse gas emissions from biogas digestate application to rice production systems	DST-IBC	Adhya,T.K., Dr. (M) Kalinga Institute of Industrial Technology University Bhubaneswar - 751 024 Odisha	43.98	36
1857	Grid interconnection protocols for largely dispersed minigrids/microgrids for electrification of rural India (MultiGrid)	DST-IBC	Perumalla,C., Dr. (M) Indian Institute of Technology (Bhubaneswar) Bhubaneswar - 752 050 Odisha	32.06	36
1858	High fidelity surface reconstruction from noisy point sets with topological guarantee	DST-IBC	Muthuganapathy,R., Dr. (M) Indian Institute of Technology (Madras) Department of Engineering, Design Chennai - 600 036 Tamil Nadu	15.84	36
1859	Hosting 70th CPR of ICSTI member states & International Conference during September 18 - 20, 2019 at New Delhi	DST-IBC	Patairiya,M.K., Dr. (M) CSIR-National Institute of Science, Communication & Information Resources New Delhi - 110 012 Delhi	22.35	36
1860	Hybrid deep learning for Indo Russian sign language recognition	DST-IBC	Elakkiya,R., Dr. (M) SASTRA University Thanjavur - 613 401 Tamil Nadu	22.64	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1861	ICT based tools for assessment & improvement of efficacy of upper limb robotic rehabilitation using thermographic diagnostic method	DST-IBC	Mahapatra,P., Dr. (M) CSIR-Central Scientific Instruments Organization Chandigarh - 160 030 Chandigarh	34.55	36
1862	Identification of potential biomarkers in donor cows for in vitro embryo production by integrative genomic & system biology approaches	DST-IBC	Mondal,S., Dr. (F) ICAR-National Institute of Animal Nutrition & Physiology Adugodi Bengaluru - 560 030 Karnataka	6.68	36
1863	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Philip,L., Prof. (F) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	164.53	36
1864	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Kazmi,A.A., Prof. (M) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	160.77	36
1865	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Singh,A., Prof. (F) National Institute of Industrial Engineering Mumbai - 400 087 Maharashtra	137.08	36
1866	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Das,S., Dr. (F) Teri School of Advanced Studies New Delhi - 110 070 Delhi	24.33	36
1867	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Ghangrekar,M.M., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	249.53	36
1868	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Vivekanand, Dr. (M) Malaviya National Institute of Technology (Jaipur) Jaipur - 302 017 Rajasthan	85.91	36
1869	Identifying best available technologies for decentralized wastewater treatment & resource recovery for India	DST-IBC	Behera,M., Prof. (M) Indian Institute of Technology (Bhubaneswar) Bhubaneswar - 752 050 Odisha	115.43	36
1870	Impact of climate change on South Asia extremes: A high resolution regional	DST-IBC	Kumar,P., Dr. (M) Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	116.35	36
1871	Improving fire safety of structures through the development of fire retardant laminated glass glazing	DST-IBC	Vedrtnam,A., Prof. (M) Invertis University Bareilly - 243 123 Uttar Pradesh	27.25	36
1872	In2S3/Sn(S,Se) thin film heterojunctions for photovoltaic applications	DST-IBC	Reddy,K.T.R., Prof. (M) Sri Venkateswara University Tirupati - 517 502 Andhra Pradesh	12.60	36
1873	India Japan joint workshop & expository tutorial session in quantum computation & quantum information under the programme India-Japan forum for advanced study to be held at Indian Statistical Institute, Kolkata	DST-IBC	Roy,B.K., Prof. (M) Indian Statistical Institute Kolkata - 700 108 West Bengal	8.23	36
1874	India-Australia research & development in Radio Astronomy workshop	DST-IBC	Gupta,Y., Prof. (M) Tata Institute of Fundamental Research Pune - 411 007 Maharashtra	9.25	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1875	India-Belarus seminar on "Nanomaterial & Advanced Materials"	DST-IBC	Padmanabham,G., Dr. (M) International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI) ARCI Hyderabad - 500 005 Telangana	9.60	36
1876	India-EU water projects	DST-IBC	Patury,R.P., Prof. (M) Andhra University Visakhapatnam - 530 003 Andhra Pradesh	3.66	36
1877	India-UKIERI workshop in INSA	DST-IBC	Zokarkar,S., Mr. (M) Indian National Science Academy New Delhi - 110 002 Delhi	2.48	36
1878	Indo Italian on site outreach workshop on collaborative research programme from laboratory to conservation site	DST-IBC	Chaturvedi,A., Dr. (F) School of Planning & Architecture New Delhi - 110 002 Delhi	1.44	36
1879	Indo-Finland joint call for mobility of researchers	DST-IBC	Bhatia,V., Prof. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	2.97	36
1880	Indo-Finland joint call for mobility of researchers	DST-IBC	Bhadra,S., Dr. (F) Indian Institute of Technology (Palakkad) Kozhippara - 678 557 Kerala	10.00	36
1881	Indo-Finnish joint call for applications for mobility of researchers	DST-IBC	Sinha,S., Prof. (F) Institute of Mathematical Sciences Chennai - 600 113 Tamil Nadu	4.46	36
1882	Indo-Finnish joint call for applications for mobility of researchers	DST-IBC	Raj,T.D.S., Dr. (M) St. John's Research Institute Bengaluru - 560 034 Karnataka	1.21	36
1883	Indo-Thai collaboration for studying pulsating variables at different evolutionary stages	DST-IBC	Goswami,A., Dr. (F) Indian Institute of Astrophysics Bengaluru - 560 034 Karnataka	6.90	36
1884	Indo-US endowment Board	DST-IBC	Director, The Indo-US Science & Technology Forum Fulbright House, 12 Hailey Road New Delhi - 110 001 Delhi	265.00	36
1885	Influence of massive stars on the formation & evolution of low mass stars	DST-IBC	Saurabh, Dr. (M) Aryabhata Research Institute of Observational Sciences Nainital - 263 002 Uttarakhand	7.65	36
1886	Integrated Renewable resources & Storage Operation and Management (IRESOpm)	DST-IBC	Negi,R., Dr. (F) Motilal Nehru National Institute of Technology Allahabad - 211 004 Uttar Pradesh	46.53	36
1887	Interfacial multiferroic magnonics: Understanding of cross-correlation towards magnonic logic circuit applications	DST-IBC	Gorige,V., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	6.46	36
1888	Interferometry with squeezed states for precision measurement	DST-IBC	Mishra,D.K., Dr. (M) Banaras Hindu University Institute of Science Varanasi - 221 005 Uttar Pradesh	4.91	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1889	Investigation of clay minerals for eco-friendly slow-release fertilizers	DST-IBC	Banerjee,S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	24.64	36
1890	Investigation of elastomeric membrane based photonic crystal fiber sensor for various applications	DST-IBC	Ghunawat,A.K., Dr. (M) Malaviya National Institute of Technology (Jaipur) Jaipur - 302 017 Rajasthan	7.23	36
1891	Investigation of interfacial interaction & grain structure development in friction stir welds for dissimilar joining of high strength aluminum to titanium alloys	DST-IBC	Kumar,A., Dr. (M) National Institute of Technology (Warangal) Warangal - 506 004 Telangana	10.40	36
1892	Investigation of ion-focusing mechanism based sheet beam driven sub-THz source for high power NDE application	DST-IBC	Kumar,N., Dr. (M) CSIR-Central Electronics Engineering Research Institute Pilani - 333 031 Rajasthan	28.87	36
1893	Investigation of multinucleon transfer, quasifission, fusion processes in reactions with heavy ions near & above the Coulomb barrier	DST-IBC	Singh,P.P., Dr. (M) Indian Institute of Technology (Ropar) Rupnagar - 140 001 Punjab	40.57	36
1894	Investigation of the influence of structural peculiarities of nuclei on the formation & decay of Hg & Pt isotopes in the heavy-ion reactions at energies around the Coulomb barrier	DST-IBC	Maiti,M., Prof. (F) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	32.90	36
1895	Joint workshop on Materials & Manufacturing for Next Generation Electric & High Speed Railway, under India-Japan co-operative science programme to be implemented by Prof. R. Gnanamoorthy, Indian Institute of Technology, Madras	DST-IBC	Gnanamoorthy,R., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	7.25	36
1896	Large-scale mapping of massive star-forming regions in the far infrared (CII) emission with a balloon-borne telescope	DST-IBC	Ojha,D.K., Prof. (M) Tata Institute of Fundamental Research Mumbai - 400 005 Maharashtra	6.10	36
1897	Launching joint call for proposal under the MoU between DST & CNRS France	DST-IBC	Rupal,P., Dr. (F) Indo-French Centre for the Promotion of Advanced Research New Delhi - 110 003 Delhi	161.56	36
1898	Long term variation of solar ultraviolet radiation investigated from the Japan-Indian integrated database of solar chromospheric images	DST-IBC	Banerjee,D., Prof. (M) Indian Institute of Astrophysics Bengaluru - 560 034 Karnataka	4.30	36
1899	Magnetic & spectral properties of novel MN based Heusler alloys for magnetoelectronics applications	DST-IBC	Patra,A.K., Dr. (M) Central University of Rajasthan Ajmer - 305 813 Rajasthan	33.19	36
1900	Magneto-optic sensor for cardiac biomarker detection	DST-IBC	Jayasree,R.S., Dr. (F) Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	7.46	36
1901	Magnitude & pathways of anthropogenic platinum group elements: Emerging environmental contaminant in India	DST-IBC	Sen,I.S., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.63	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1902	Massive parallel interconnect architectures for vision systems-on-chip: Exploiting graphene nanophotonic technology	DST-IBC	Kaushik,B.K., Dr. (M) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	13.64	36
1903	Mathanogenic bioelectrode driven conversion of CO <sub>2</sub> to CH <sub>4</sub> to enhance methanogenesis & mitigation of greenhouse gas from agrowaste based bioenergy systems	DST-IBC	Mohanty,S.R., Dr. (M) ICAR-Indian Institute of Soil Science Bhopal - 462 038 Madhya Pradesh	7.60	36
1904	Mathematical Aspects of Information Transmission: Effective Error Correcting Codes (MAI:EECC)	DST-IBC	Ghorpade,S.R., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	21.29	36
1905	Mathematical models of nonlocal interactions: From explicit constructions of fractional derivatives & integrals by generalized special functions to functional analytic properties	DST-IBC	Agarwal,P., Prof. (M) Anand International College of Engineering Jaipur - 303 012 Rajasthan	7.30	36
1906	Mobile App for improving survival in fires through efficient egress: The role of impromptu indoor Wi-Fi localization & georeferenced building maps	DST-IBC	Naik,V., Prof. (M) Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus Zuarinagar - 403 726 Goa	38.32	36
1907	Modulating the reactivity of high-valent nonheme transition metal oxidants by tuning the ligand field enforced by substituted bispidine ligands	DST-IBC	Sastri,C.V., Dr. (M) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	8.91	36
1908	Morphologic evolution of small-scale solar flux tubes & its implication for MHD waves	DST-IBC	Banerjee,D., Prof. (M) Indian Institute of Astrophysics Bengaluru - 560 034 Karnataka	7.96	36
1909	Multiple reversals of the Sun's polar-fields & their physical causes	DST-IBC	Karak,B.B., Dr. (M) Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	10.35	36
1910	Multistability & hidden attractors in dynamical systems	DST-IBC	Shrimali,M.D., Prof. (M) Central University of Rajasthan Bandar, Sindri Ajmer - 305 817 Rajasthan	66.33	36
1911	Mxene nanocomposites for solid state supercapacitors, hybrid-capacitors & batteries	DST-IBC	Jose,S.P., Dr. (M) Madurai Kamaraj University Department of Computational Physics, School of Physics Madurai - 625 021 Tamil Nadu	7.25	36
1912	Natural hazards & monitoring for mountain territories in Russia & India	DST-IBC	Ganapathy,G.P., Dr. (M) Vellore Institute of Technology University Centre for Disaster Mitigation & Management Vellore - 632 014 Tamil Nadu	68.67	36
1913	Network models for climate studies	DST-IBC	Gupte,N.M., Prof. (F) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	13.76	36
1914	Nonlinear dynamics & acoustics of metamaterial structures	DST-IBC	Jayaprakash,K.R., Dr. (M) Indian Institute of Technology (Gandhinagar) Ahmedabad - 382 355 Gujarat	26.03	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1915	On farm demonstration & performance analysis of an off grid renewable energy driven cold storage	DST-IBC	Singh,R., Dr. (M) Sardar Patel Renewable Energy Research Institute Vallabh Vidyanagar - 388 120 Gujarat	114.35	36
1916	Optimization of pulse cleaning parameters for achieving high level performance of filter media during industrial pollution control	DST-IBC	Mukhopadhyaya,A., Dr. (M) National Institute of Technology (Jalandhar) Jalandhar - 144 011 Punjab	8.70	36
1917	Optimization of wave energy system - A primitive model for Indian coastal lines	DST-IBC	Samad,A., Dr. (M) Indian Institute of Technology (Madras) Department of Ocean Engineering Chennai - 600 036 Tamil Nadu	6.64	36
1918	Optimized design & operation of hybrid power plant-hybridize	DST-IBC	Mathew,S.A., Mr. (M) National Institute of Wind Energy Chennai - 600 100 Tamil Nadu	143.82	36
1919	Optoacoustic microscope on a fiber tip for endoscopic applications	DST-IBC	Mondol,S.K., Prof. (M) CSIR-Central Scientific Instruments Organization Chandigarh - 160 030 Chandigarh	14.28	36
1920	P53 in regulation of epithelial mesenchymal transition in breast cancer role of microRNA	DST-IBC	Kulshreshtha,R., Dr. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	96.30	36
1921	Performance evaluation of Stochastic models for high performance, distributed & ubiquitous computing systems & automatic repeated with error control systems by matrix analytic & regenerative approaches	DST-IBC	Kumar,B.K., Dr. (M) Anna University Chennai - 600 025 Tamil Nadu	22.27	36
1922	Phase change material based thermal energy accumulators in solar thermal & waste-heat recovery systems	DST-IBC	Maiti,S., Dr. (F) CSIR-Central Salt & Marine Chemicals Research Institute Bhavnagar - 364 002 Gujarat	11.82	36
1923	Phase sensitive amplifiers with novel dispersion-tailored fibers	DST-IBC	Venkitesh,D., Dr. (F) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	30.65	36
1924	Photovoltaic-driven adsorption & electrochlorination post-treatment coupled with riverbank filtration for sustainable drinking water production	DST-IBC	Banerjee,P., Dr. (F) CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	11.30	36
1925	Polarization sensitive auto fluorescence spectroscopy & microscopy for cancer detection	DST-IBC	Mazumdar,N., Dr. (M) Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	11.82	36
1926	Polysaccharide based activatable vesicle for programmed delivery chemotherapeutic	DST-IBC	Bhuniya,S., Dr. (M) J.I.S. University J.I.S. Institute of Advanced Studies & Research Kolkata - 700 091 West Bengal	31.73	36
1927	Prediction & mental construction of future events in younger & older drivers by means of assistive information	DST-IBC	Khan,A., Prof. (M) Indian Institute of Technology (Bombay) Department of Humanities & Social Sciences, Powai Mumbai - 400 076 Maharashtra	12.86	36



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1928	Prediction & validation of interactions between host protein deregulating the multiple signalling cascades in Hepatitis B virus related hepatocellur carcinoma: Cominbed strategis involving tools of bioinformatics & in vitro cell culture system	DST-IBC	Kazim,S.N., Dr. (M) Jamia Millia Islamia New Delhi - 110 025 Delhi	6.25	36
1929	Prediction, detection & monitoring system for landslide in hilly region	DST-IBC	Majumdar,S., Dr. (M) National Institute of Technology (Meghalaya) Shillong - 793 003 Meghalaya	6.26	36
1930	Preparation & properties of self-healing polymer based nanohybrid materials for energy harvesting application	DST-IBC	Yadav,B.C., Prof. (M) Babasaheb Bhimrao Ambedkar University Lucknow - 226 025 Uttar Pradesh	15.45	36
1931	Processing & characterization of hybrid non-equilibrium composites fabricated by Friction Stir Processing (FSP)	DST-IBC	Mugada,K.K., Dr. (M) Gayatri Vidya Parishad College of Engineering Visakhapatnam - 530 048 Andhra Pradesh	11.82	36
1932	Production of JP-8 range fuels and chemicals from pyrolysis bio-oil using nanostructured catalyst	DST-IBC	Pandurangan,A., Dr. (M) Anna University Department of Chemistry Chennai - 600 025 Tamil Nadu	50.23	36
1933	Purification of Hafnium metal sponge using electron beam melting & preparation of Hafnium metal targets for electronic applications	DST-IBC	Ratheesh,R., Dr. (M) Centre for Materials for Electronics Technology (C-MET) Hyderabad - 500 057 Telangana	11.82	36
1934	Quasi-static & dynamic strength of ultrahigh performance concrete	DST-IBC	Iqbal,M.A., Dr. (M) Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	26.61	36
1935	Quaternary paleoclimate & paleoecology via multiproxy analysis of paleosaoI sequences across the Russian plain & Himalaya	DST-IBC	Srivastava,P., Prof. (M) Delhi University Delhi - 110 007 Delhi	25.41	36
1936	Radical based homo & heterometallic 4f & 3d/4f assemblies design, structure & physicochemical properties	DST-IBC	Mondal,A., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	32.97	36
1937	Raman-Charpak Fellowship for the Indian Ph D students & French Ph D & master students	DST-IBC	Rupal,P., Dr. (F) Indo-French Centre for the Promotion of Advanced Research New Delhi - 110 003 Delhi	150.00	36
1938	Recycling lithium ion batteries for a sustainable technological & economic development relisted	DST-IBC	Martha,S.K., Dr. (M) Indian Institute of Technology (Hyderabad) Sangareddy - 502 285 Telangana	42.98	36
1939	Release of fund to IFCPAR for proposal selected under DST-INRIA MoU against Sixth joint call-2018	DST-IBC	Rupal,P., Dr. (F) Indo-French Centre for the Promotion of Advanced Research New Delhi - 110 003 Delhi	36.60	36
1940	Rheophysics of semi-rigid road-building materials & optimization of their compositions for the perception of heavy transport load	DST-IBC	Saboo,N., Dr. (M) Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	10.40	36
1941	Role of gamma-delta T cells in patients with complicated Malaria due to plasmodium vivax & the development of diagnostic method for predicting the severity	DST-IBC	Sehgal,R., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	5.38	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
1942	Screen printable metamaterial absorbers employing AgNW-MS2 (Mmo, W) hybrids	DST-IBC	Peethambharan,S.K., Dr. (M) CSIR-National Institute for Interdisciplinary Science & Technology Thiruvananthapuram - 695 019 Kerala	8.80	36
1943	Secure & resilient cyber physical systems	DST-IBC	Kuri,J., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	12.98	36
1944	Service oriented participatory platform for local SDI: Smart civic services for second tier cities in Thailand & India	DST-IBC	Durbha,S., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	10.95	36
1945	Single molecule biophysics using a small amplitude atomic force microscopy	DST-IBC	Patil,S., Prof. (M) Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	6.47	36
1946	Smart Services & Optimization for Microgrids (SSOM)	DST-IBC	Aryadevi,R.D., Dr. (F) Amrita Vishwa Vidyapeetham Kollam - 690 525 Kerala	8.85	36
1947	Spin current transport across antiferromagnetic/metallix oxide interfaces	DST-IBC	Rao,M.S.R., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	7.50	36
1948	Stable & high sensitive low dimensional perovskite photodetectors	DST-IBC	Pathan,H.M., Dr. (M) Savitribai Phule Pune University Pune - 411 007 Maharashtra	11.82	36
1949	Studies on translesion DNA synthesis by human PrimPol across N2-dG adducts	DST-IBC	Kumar,P., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	25.17	36
1950	Study of bioelectrochemical properties of the PEDOT/thermally expanded graphite/biocatalyst composite for microbial fuel cell	DST-IBC	Sundramoorthy,A.K., Dr. (M) S.R.M. Institute of Science & Technology Chennai - 603 203 Tamil Nadu	28.91	36
1951	Study of fault architecture deformation mechanisms & evolution of fault zone rocks with implications for seismicity in the upper & lower crust	DST-IBC	Ghosh,G., Dr. (M) Presidency University Kolkata - 700 073 West Bengal	7.38	36
1952	Surface active additives for enhanced flow boiling in microchannels	DST-IBC	Raj,R., Dr. (M) Indian Institute of Technology (Patna) Patna - 801 106 Bihar	15.87	36
1953	Synergetic C-H functionalization of arene/heteroarene via sequential transition-metal & photoredox catalysis	DST-IBC	Verma,A.K., Prof. (M) Delhi University Delhi - 110 007 Delhi	15.81	36
1954	Synthesis of (hydro) gels bearing organo-catalysts for the use in microfluidic reactors	DST-IBC	Nebhani,L., Dr. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	14.90	36
1955	Synthesis of novel half sandwich cobalt complexes & their application in c-h bond functionalization reactions	DST-IBC	Sundararaju,B., Dr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	22.41	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1956	Synthesis, reactivity & bonding in metal & metal-free borylenes	DST-IBC	Phukan,A.K., Dr. (M) Tezpur University Tezpur - 784 028 Assam	13.68	36
1957	Targeting c-FLIP-CaM interaction to resensitize tumor cells to death ligands for potential anticancer treatments	DST-IBC	Bose,K., Dr. (F) Tata Memorial Centre ACTREC Navi Mumbai - 410 210 Maharashtra	45.16	36
1958	Targeting hypoxia microenvironment to mitigate endocrine resistance in breast cancer	DST-IBC	Manavathi,B., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	6.20	36
1959	TCLB/WBBUIICE- Thermochemical conversions of lignocellulosic biomass/wastes into bioenergy & biofuels with its utilization in internal combustion engine	DST-IBC	Subramanian,K.A., Prof. (M) Indian Institute of Technology (Delhi) Centre for Energy Studies, Hauz Khas New Delhi - 110 016 Delhi	42.49	36
1960	Technology of nanocomposite materials with discotic liquid crystals & nanoparticles for electrooptic devices with enhanced performances	DST-IBC	Kumar,S., Prof. (M) Raman Research Institute Bengaluru - 560 080 Karnataka	29.81	36
1961	Time-Domain Raman spectroscopy & its applications to ultrafast photochemical/photobiological reactions	DST-IBC	Kantam,M.L., Prof. (M) Institute of Chemical Technology Mumbai - 400 019 Maharashtra	2.96	36
1962	Transport of dissolved methane plumes in groundwater: Experimental & numerical investigations	DST-IBC	Devasena,M., Dr. (M) P.S.G. Institute of Technology & Applied Research Department of Civil Engineering Coimbatore - 641 062 Tamil Nadu	5.61	36
1963	Two phase high speed flows in ground & space applications	DST-IBC	Muruganandam,T.M., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	99.98	36
1964	Ultrahigh-Efficiency lead free perovskite solar cells	DST-IBC	Singh,A.K., Dr. (M) Government V.Y.T.P.G. College Durg - 491 001 Chhattisgarh	11.82	36
1965	Understanding CTD-chromatin crosstalk during transcription through nucleosome	DST-IBC	Akhtar,M.S., Dr. (M) CSIR-Central Drug Research Institute Lucknow - 226 031 Uttar Pradesh	129.00	36
1966	Understanding the phase stability of oxides & nitrides in the context of fine tuning their functional properties	DST-IBC	Kumar,R., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	5.67	36
1967	Understanding toxicity & uptake of nanomaterials to edible plants during reuse of treated municipal wastewater as irrigation water	DST-IBC	Kumar,A., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	4.82	36
1968	Unraveling the molecular mechanism of incRNAs involvement in glioblastoma	DST-IBC	Pandey,A.K., Dr. (M) Amity University Manesar - 201 301 Haryana	71.74	36
1969	Use of modular green wall technologies for the improvement of the air environment of buildings	DST-IBC	Tiwari,A.K., Dr. (M) ICAR-Indian Agricultural Research Institute Pusa Campus New Delhi - 110 012 Delhi	10.40	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
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1970	Waste to engine low temperature combustion of sustainable green fuels	DST-IBC	Ganesh,D., Dr. (M) Anna University Chennai - 600 025 Tamil Nadu	21.78	36
1971	Wireless body area networks: A magnetic induction communication perspective	DST-IBC	Kumar,V., Dr. (M) Visvesvaraya National Institute of Technology (Nagpur) Nagpur - 440 010 Maharashtra	9.30	36
1972	A complete solution for energy monitoring - Smart energy meters, smart plugs/holders/nodes, with lot, data monitoring, data analytics & data security	DST-IMPRINT-2	Nataraj,P.S.V., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	98.82	36
1973	A novel biofuel based twin injector multi-mode genset engine for high performance & low Nox emissions - Development & demonstration	DST-IMPRINT-2	Ramesh,A., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	45.66	36
1974	A smart bidirectional electric vehicle charging system connected to Pv integrated microgrid	DST-IMPRINT-2	Subudhi,B., Dr. (M) Professor Indian Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	45.78	36
1975	A unified broadband & Internet-of-things (IoT) base-station with energy efficient resource allocation & caching capabilities	DST-IMPRINT-2	Naveen,M.B., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	80.45	24
1976	Advanced vision technologies for road mobility & safety	DST-IMPRINT-2	Balasubramanian,V.N., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	205.26	36
1977	Design & development of high efficient switched reluctance motor based Solar photovoltaic (Spv) Water pumping system (Wps)	DST-IMPRINT-2	Narasimharaju,B.L., Dr. (M) Associate Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	51.17	36
1978	Design & development of Next-generation Photonic analog-to-digital converters (Ng-Padc)	DST-IMPRINT-2	Venkitesh,D., Dr. (F) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	123.64	36
1979	Design & development of underwater Remotely operated vehicle (Rov) for inspection & surveillance	DST-IMPRINT-2	Vachhani,L., Dr. (F) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	63.23	24
1980	Development & integration of an efficient multi-port converter in intelligent hybrid microgrid energy systems	DST-IMPRINT-2	Bajpai,P., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	77.70	36
1981	Development & prototyping of nano-sensor technology for diagnosis of lube oil contamination & health monitoring/prognostics for flight safety and reliability in Indian scenario	DST-IMPRINT-2	Murugavel,R., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	130.11	36
1982	Development of a Health & Usage Monitoring System (HUMS) for defense equipment	DST-IMPRINT-2	Darpe,A.K., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	89.27	36
1983	Development of a prototype metal air battery driven electrical drive for a city bus duty	DST-IMPRINT-2	Chandiran,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	149.16	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1984	Development of advanced water washing system for compressor blade cleaning for gas turbine efficiency improvement	DST-IMPRINT-2	Sahu,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	80.44	36
1985	Development of an integrated health monitoring system for large engineering structures	DST-IMPRINT-2	Radhakrishnan,N., Dr. (F) Associate Professor National Institute of Technology (Tiruchirapalli) Tanjore Main Road, NH 67 Chennai - 620 012 Tamil Nadu	34.03	36
1986	Development of high performance & low-cost boron-doped diamond electrodes for waste water treatment	DST-IMPRINT-2	Rao,M.S.R., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	142.78	36
1987	Development of high sensitive barometric sensor	DST-IMPRINT-2	Pratap,R., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	65.98	24
1988	Development of integrated dampers for combustion dynamics abatement for low emission/advanced, bio-jet fueled, gas turbine combustors	DST-IMPRINT-2	Kushari,A., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	111.00	36
1989	Development of lizard-like robotic spy surveillance system	DST-IMPRINT-2	Halder,R., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	101.50	36
1990	Development of low friction rolling element bearings for enhanced reliability & efficiency	DST-IMPRINT-2	Tiwari,M., Dr. (M) Associate Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	41.33	36
1991	Development of methodologies for rehabilitation of municipal solid waste dumpsites	DST-IMPRINT-2	Sivakumrababu,G.L., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	74.34	36
1992	Development of phased array microwave hyperthermia system	DST-IMPRINT-2	Arunachalam,K., Dr. (F) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	70.86	24
1993	Development of power Sic based solid state distribution transformer for smart grid	DST-IMPRINT-2	Pathak,M.K., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	76.13	36
1994	Digitization of ancient manuscripts in Thigalari & Grantha scripts using multimodal recognition of speech & online handwritten transcript of an expert in the loop	DST-IMPRINT-2	Angaraiganesan,R., Prof. (M) Chairman Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	77.81	36
1995	English Gyani - An intelligent assistant for tutoring English via learner-tutor interactions	DST-IMPRINT-2	Ghosh,P.K., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	64.22	36
1996	Enhancement of mobility in rural & semi-urban areas through electric bicycles	DST-IMPRINT-2	Gupta,P.D., Mr. (M) Assistant Professor School of Planning & Architecture Neelbad Road, Bhauri Bhopal - 462 030 Madhya Pradesh	18.27	15

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
1997	Experimental investigation on tower type hybrid Vapours compression refrigeration (Vcr) & Humidification-dehumidification (Hdh) desalination plant	DST-IMPRINT-2	Srinivas,T., Dr. (M) Associate Professor Dr. B.R. Ambedkar National Institute of Technology Jalandhar - 144 011 Punjab	15.20	24
1998	Feasibility study & implementation of solar based static EV wireless charging station in India	DST-IMPRINT-2	Rafat,Y., Dr. (M) Co-coordinator Aligarh Muslim University Aligarh - 202 001 Uttar Pradesh	51.06	36
1999	Feasible coordinated controlled grid-connected photovoltaic sourced Dc based fast charging infrastructure for electric vehicle: Design, development & experimental validation	DST-IMPRINT-2	Kumar,A., Dr. (M) Assistant Professor National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	189.45	36
2000	Functionality enhancement through design & development of advanced finite element Algorithms for Str tools	DST-IMPRINT-2	Gautam,S.S., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	66.11	36
2001	Incorporating cab-signaling into interlocked signaling design with verification	DST-IMPRINT-2	Mandal,C., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	60.41	36
2002	In-situ monitoring of fire in tunnels & underground transportation systems using Distributed Anti-stokes Raman Thermometry (DART)	DST-IMPRINT-2	Srinivasan,B., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	115.27	36
2003	Kauwakaate*: A platform for fake-news verification (* inspired from the popular Hindi song: Jhoot Bhole Kauwa Kaate)	DST-IMPRINT-2	Chebrolu,K., Dr. (F) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	74.54	36
2004	Machine learning based Ai technology for defect detection in aircraft engines	DST-IMPRINT-2	Dukkipati,A., Prof. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	54.78	24
2005	Massive multi-access to provide Uhd quality video & real time data delivery from a connected mobile ambulance & its extension to other disaster recovery scenario	DST-IMPRINT-2	Kherani,A.A., Dr. (M) Associate Professor Indian Institute of Technology (Bhilai) GEC Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	47.98	36
2006	Nfc-based multi-sensor platform to monitor transportation & storage integrity of lifesaving pharmaceutical products	DST-IMPRINT-2	Dasgupta,S., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	137.83	36
2007	Predictive maintenance & quality control in industries under industry 4.0	DST-IMPRINT-2	Kalra,S., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	33.54	30
2008	Smart music tutor for Indian classical music (vocal & instrumental)	DST-IMPRINT-2	Arora,V., Prof. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	45.30	24
2009	Solar driven community potable water purification system	DST-IMPRINT-2	Pichiah,S., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	72.09	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

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2010	Biotechnological process for the simultaneous removal of ammoniacal nitrogen & COD from industrial wastewaters	DST-IWWT	Rao,A.G., Dr. (M) Chief Scientist CSIR-Indian Institute of Chemical Technology Department of Energy & Environmental Engineering, Bio Engineering & Environmental Science Group Hyderabad - 500 007 Telangana	54.65	12
2011	Brine splitting for energy efficient textile dyeing effluent reuse	DST-IWWT	Swaminathan,J., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Department of Mechanical Engineering, Palaj Gandhinagar - 382 355 Gujarat	33.61	24
2012	Bulk scale sustainable salt free exhaust dyeing on cationized cotton knit fabrics	DST-IWWT	Dev,V.R.G., Dr. (M) Assistant Professor Anna University Department of Textile Technology Chennai - 600 025 Tamil Nadu	27.66	24
2013	Carbon quantum dots from microalgae for organic dyes degradation in industrial waste water- A novel approach	DST-IWWT	Chamundeeswari,M., Dr. (F) Associate Professor St. Joseph College of Engineering Department of Biotechnology Chennai - 600 019 Tamil Nadu	28.76	24
2014	Coupled advanced oxidation & membrane bioreactor technology for removal of organics to facilitate recycling of wastewater in a polyethylene terephthalate plant	DST-IWWT	Ghangrekar,M.M., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Department of Civil Engineering Kharagpur - 721 300 West Bengal	41.56	24
2015	Dark-catalytic & planar solar-concentrator based reactors for removal of organic pollutants from textile effluents	DST-IWWT	Shukla,S.V., Dr. (M) Principal Scientist CSIR-National Institute for Interdisciplinary Science & Technology Division of Materials Science & Technology Thiruvananthapuram - 695 019 Kerala	45.10	24
2016	Design & construction of amperometric catechol biosensor & investigations on analyte interferences for technology development to aid near zero discharge of effluents to Indian water-body systems	DST-IWWT	Murthy,B.N., Dr. (M) Vice Principal & Professor C.M.R. Institute of Technology #132, AECS Layout, IT Park Road, P.O. Kundalahalli Bengaluru - 560 037 Karnataka	38.09	24
2017	Design & development of photocatalytic membranes for simultaneous water disinfection & filtration	DST-IWWT	Mohan,S., Dr. (M) Assistant Professor Jain University Center for Nano Science & Material Science, Jain Global Campus Bengaluru - 562 112 Karnataka	52.96	24
2018	Developing of bio-inspired transition metal complex for efficient degradation of industrial dyes in waste water under environment friendly conditions	DST-IWWT	Dutta,A., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Department of Chemistry, Powai Mumbai - 400 076 Maharashtra	46.11	24
2019	Development of a novel single-stage bioremediation technology for azo dye & aromatic amine aiming for industrial sustainability & environmental safety	DST-IWWT	Mishra,V., Dr. (F) Assistant Professor Delhi University Departmtent of Environmental Studies Delhi - 110 007 Delhi	41.03	24
2020	Electro spun solvent sintered anion exchange membrane for acid recovery from industrial effluents	DST-IWWT	Nagarale,R.K., Dr. (M) Senior Scientist CSIR-Central Salt & Marine Chemicals Research Institute Department of Electro-Membrane Processes Division Bhavnagar - 364 002 Gujarat	35.77	24
2021	HF & HCl mixed acid recovery from silicon carbide purification process effluent via diffusion dialysis & bipolar membrane electro-dialysis	DST-IWWT	Manokaran,A., Dr. (M) Senior Scientist CSIR-Central Electrochemical Research Institute Division of Process Engineering Karaikudi - 630 003 Tamil Nadu	28.97	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2022	Hydrogen powered desalination system using recycled aluminium: A novel process to extract potable fresh water from seawater	DST-IWWT	Kumar,S., Dr. (M) Scientist CSIR-Advanced Materials & Processes Research Institute Hoshangabad Road Bhopal - 462 026 Madhya Pradesh	95.57	36
2023	Integrated forward osmosis for energy efficient & sustainable industrial wastewater treatment	DST-IWWT	Das,P., Dr. (F) Scientist CSIR-Central Institute of Mining & Fuel Research Barwa Road Campus Dhanbad - 826 015 Jharkhand	19.54	24
2024	Integrated hydrodynamic cavitation - membrane distillation technology for enhanced water recovery from industrial effluent	DST-IWWT	Jegadeesam,G.B., Dr. (M) Sr. Assistant Professor SASTRA University School of Chemical & Biotechnology Thanjavur - 613 401 Tamil Nadu	49.92	24
2025	Photofunctional materials for industrial dye mineralization	DST-IWWT	Das,D.P., Dr. (F) Scientist CSIR-Institute of Minerals & Materials Technology Department of Colloids & Material Chemistry Bhubaneswar - 750 013 Odisha	41.10	24
2026	Pilot scale demonstration of nanobubble technology for chromium removal from electroplating industry effluent	DST-IWWT	Selvakumar,R., Dr. (M) Associate Professor P.S.G. Institute of Advanced Studies P.B. No. 1609, Avinashi Road, Peelamedu Coimbatore - 641 004 Tamil Nadu	65.88	36
2027	Preparation of expanded graphite/polyaniline nanocomposite filter for treatment of pesticides & heavy metals from industry water: A green technology based approach for waste absorption	DST-IWWT	Panda,B.P., Dr. (M) Scientist Central Institute of Plastics Engineering & Technology Department of Manufacturing Engineering Bhubaneswar - 751 024 Odisha	21.48	24
2028	Self-sustained system to clean industrial waste water & generate electricity simultaneously without any external source	DST-IWWT	Jain,V.K., Dr. (M) Adviser & Head Amity University E3-4th Floor, Sector- 125 Noida - 201 303 Uttar Pradesh	66.66	36
2029	Solar-based smart villages with focus on drinking water, agriculture operations and micro grid system	DST-IWWT	Sahoo,P.K., Dr. (M) Associate Professor Odisha University of Agriculture & Technology Department of FMP Bhubaneswar - 751 003 Odisha	5.00	3
2030	Sustainable resource recovery through optimal treatment & use of petroleum industry wastewater in an algal-bacterial biorefinery model (SUR3ESCOPE)	DST-IWWT	Sen,R., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Department of Biotechnology Kharagpur - 721 302 West Bengal	50.61	24
2031	Treatment of industrial organic raffinate by coupling of catalytic wet air oxidation & biological process	DST-IWWT	Saroha,A.K., Dr. (M) Professor Indian Institute of Technology (Delhi) Department of Chemical Engineering, Hauz Khas New Delhi - 110 016 Delhi	38.61	24
2032	Ultra-low water pre-tanning & post-tanning technologies for leather making	DST-IWWT	Thanikaivelan,P., Dr. (M) Principal Scientist CSIR-Central Leather Research Institute Advanced Materials Laboratory, Adyar Chennai - 600 020 Tamil Nadu	36.66	24
2033	Utilizing the versatile platform of biomass derived nanocellulose based magnetic nanocomposites for the facilitative removal of organic pollutants from wastewater	DST-IWWT	Singhal,S., Dr. (F) Associate Professor Panjab University Department of Chemistry Chandigarh - 160 014 Chandigarh	52.28	24



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2034	Visible light photo catalysis assisted ballast water treatment & management against marine bio invasion	DST-IWWT	Komathy,K., Dr. (F) Professor Academy of Maritime Education & Training Univrsity (AMET) Department of Information Technology, 135, Kanathur East Coast Road Chennai - 603 112 Tamil Nadu	60.22	24
2035	Piezoelectric/triboelectric nano generator driven flexible self-charging symmetric/asymmetric super capacitor devices for sustainable power generation	DST-N-M	Khatua,B.B., Dr. (M) Indian Institute of Technology (Kharagpur) Centre of Materials Science Kharagpur - 721 302 West Bengal	42.77	36
2036	Self-charged energy storage devices based on defect engineered advanced hetero junction materials	DST-N-M	Rout,C.S., Dr. (M) Jain University Centre for Nano & Materials Sciences Ramanagara - 562 112 Karnataka	44.38	36
2037	Creating a digitally enabled social knowledge management platform for rural SC community to bridge rural-urban knowledge, information & market divide	DST-SCSP	Bandyopadhyay,S., Prof. (M) Indian Institute of Management (Calcutta) Management Information System Group, Joka, Diamond Harbour Road Kolkata - 700 104 West Bengal	29.76	36
2038	Development of a facility for fruit vendors belonging to scheduled caste populations in Visakhapatnam rural	DST-SCSP	Beebi,S.K., Dr. (F) GITAM University Department of Biotechnology, Gitam Institute of Technology Visakhapatnam - 530 045 Andhra Pradesh	31.13	36
2039	Enhancing quality of livelihood through deployment of technology hub in SC community in Rajam mandal of Andhra Pradesh at GMR Institute of Technology	DST-SCSP	Prasad,C.L.V.R.S.V., Mr. (M) G.M.R. Institute of Technology Rajam Srikakulam - 532 127 Andhra Pradesh	159.55	36
2040	Entrepreneurship & skill development for income generation through science & technological intervention for schedule cast households in Tehri Garhwal district of Uttarakhand state	DST-SCSP	Parmar,M.S., Dr. (M) Secretary & Director Daliyon Ka Dagriya (DKD) Amarkunj, Bugani Road, P.B. - 44, Srinagar Garhwal - 246 174 Uttarakhand	39.11	36
2041	Establishment of STI Hub for production of eco-friendly & economical products to improve the socio-economic status of SC/ST population in Srivilliputhur block	DST-SCSP	Devi,K., Dr. (F) Kalasalingam Academy of Research & Education Anand Nagar Krishnankoil - 626 126 Tamil Nadu	238.44	36
2042	Fluorosis mitigation through intervention, diet editing and management in scheduled caste community of Bihar	DST-SCSP	Shariff,A., Prof. (M) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	152.76	36
2043	Proposal for STI Hub for the socio-economic upliftment of scheduled caste communities of the selected regions of eastern Chandauli, Mirzapur, Sonbhadra, & Bhadohi through science & technology intervention in Banaras Hindu University, Uttar Pradesh	DST-SCSP	Singh,S.K., Dr. (M) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	88.60	36
2044	Science Technology & Innovation Hub at Chitkara University for Patiala & Rajpura block, in district Patiala, Punjab	DST-SCSP	Mantri,A., Dr. (F) Chitkara University Chandigarh-Patiala, NH, Village Jhansla Rajpura - 140 401 Punjab	182.34	36
2045	Science technology & innovation hub in Jaipur district, Rajasthan	DST-SCSP	Sharna,S., Prof. (F) JECRC University Sitapura Industrial Area Extension, Ramchandrapura, Vidhani Jaipur - 303 905 Rajasthan	275.27	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2046	Science Technology & Innovation hub in MLR Institute of Technology, Dundigal, Hyderabad, Ranga Reddy district Telangana state	DST-SCSP	Rajendra,K., Mr. (M) M.L.R. Institute of Technology Dundigal, Quthbullapur Mandal Hyderabad - 500 043 Telangana	285.20	36
2047	Science Technology & Innovation Hub in Shri Vishnu Engineering College for Women, Bhimavaram block, West Godavari district, Andhra Pradesh state	DST-SCSP	Rao,S., Dr. (M) Shri Vishnu Engineering College for Women West Godavari Bhimavaram - 534 202 Andhra Pradesh	293.79	36
2048	28 GHz Mm wave for 5G wireless in tropical region: Short-range propagation & channel modeling	DST-SERB-CRG	Chandra,A., Dr. (M) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	19.91	36
2049	A comprehensive framework for adversarial evaluation of random number generators: Theory & implementation	DST-SERB-CRG	Chakraborty,R.S., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	49.53	36
2050	A low cost, fast & efficient millimeter-wave active imaging system to remotely monitor a crowd for security applications	DST-SERB-CRG	Mandal,M.K., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	54.25	36
2051	A low power deep spiking neural network for forest surveillance	DST-SERB-CRG	Bhattacharya,B., Dr. (F) Associate Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH 17b Bypass Road, Sancoale Zuarinagar - 403 726 Goa	31.48	36
2052	A MEMS power amplifier with high figure of merit	DST-SERB-CRG	Mitra,B., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	75.99	36
2053	A multilingual reference wordnet on four of the major indigenous dialects of Manipur & Manipuri language	DST-SERB-CRG	Singh,N.K., Dr. (M) Assistant Professor & HOD Indian Institute of Information Technology National Highway 39, Mantripukhri, Heingang Imphal - 795 002 Manipur	41.81	36
2054	A quantitative analysis of immune-metabolism of human skin keratinocytes during inflammation using system biology approach	DST-SERB-CRG	Purwar,R., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	57.65	36
2055	Advanced nonlinear filtering using improved quadrature rule	DST-SERB-CRG	Singh,A.K., Dr. (M) Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 452 011 Madhya Pradesh	29.37	36
2056	An efficient framework for ensuring security of FPGA - based application cores in cloud & IoT environment	DST-SERB-CRG	Kolay,S.S., Prof. (F) Indian Statistical Institute 203, Barrackpore Trunk Road Kolkata - 700 108 West Bengal	26.36	36
2057	An engineering approach towards novel materials development for combinatorial therapy in biomedical application	DST-SERB-CRG	Misra,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Chankheda Gandhinagar - 382 424 Gujarat	28.30	36
2058	An examination on use of the quarter point elements for the accurate determination of notch stress intensity factors	DST-SERB-CRG	Murthy,K.S.R.K., Dr. (M) Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	18.99	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2059	An experimental investigation of Fluid Structure Interaction (FSI) in a bird-like flapping wing	DST-SERB-CRG	Deshpande,P., Mr. (M) Senior Scientist CSIR-National Aerospace Laboratories Post Box No. 1779, Kodihalli Bengaluru - 560 037 Karnataka	17.86	36
2060	An investigation in to the effects of induced helicity in the carotid bifurcated arteries on patient specific models	DST-SERB-CRG	Anish,S., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH-66, Srinivasnagar Surathkal - 575 025 Karnataka	16.15	36
2061	An investigation of Ergo human model to evaluate the functional capacity of coal mine workers	DST-SERB-CRG	Paul,P.S., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	38.51	36
2062	Analyses of grinding performance & ground surface integrity in high MRR precision grinding by indigenously developed brazed diamond wheels having patterned grit distribution	DST-SERB-CRG	Ghosh,A., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	50.10	36
2063	Application of chlorophyll sensitized TiO2 in photocatalytic degradation of recalcitrant organic pollutants with visible light	DST-SERB-CRG	Shriwastav,A., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	7.26	36
2064	Application of complex exponential signal models for identification of obscure paramagnetic regions in gradient echo magnetic resonance images	DST-SERB-CRG	Paul,J.S., Dr. (M) Professor Indian Institute of Information Technology & Management Techno Park Campus Thiruvananthapuram - 695 581 Kerala	8.52	36
2065	Applications of magnetostriction in energy harvesting	DST-SERB-CRG	Roy,D., Dr. (M) Professor Indian Institute of Engineering Science & Technology Botanic Garden Howrah - 711 103 West Bengal	58.14	36
2066	Assessment of recycled materials interaction & its effect on durability of cold bituminous mixes	DST-SERB-CRG	Siddagangaiah,A., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	28.36	36
2067	Atomic scale electron microscopy investigation of supported catalysts	DST-SERB-CRG	Narayanan,R., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	62.81	36
2068	Augmentation of PANS methodology with non-linear eddy viscosity closure for simulating turbulent separated flows	DST-SERB-CRG	Sinha,S.S., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	29.41	36
2069	Automated IoT based microfluidic electrochemiluminescence ECL biosensing platform for various biomarker detection	DST-SERB-CRG	Pattnaik,P.K., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	51.42	36
2070	Behavior & design of CFS channel compression members with partial lip stiffened flanges	DST-SERB-CRG	Kumar,A., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	34.27	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2071	Behavior based evaluation for reliable annotation in NLP	DST-SERB-CRG	Vaidya,A., Dr. (F) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	18.59	36
2072	Bilayer functionalized scaffold for peripheral nerve & guided motor neuron regeneration	DST-SERB-CRG	Lahiri,D., Dr. (F) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	48.61	36
2073	Bio-inspired hybrid underwater vehicle for ocean observations	DST-SERB-CRG	Mohan,S., Dr. (M) Associate Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Palakkad - 678 557 Kerala	28.38	36
2074	Bio-inspired membranes with 2D layered nanostructures for desalination & water remediation	DST-SERB-CRG	Bose,S., Dr. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	53.03	36
2075	Bioprocess strategies to enhance Xylitol production from lignocelluloses biomass	DST-SERB-CRG	Gummadi,S.N., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	34.80	36
2076	Capacity building for testing & developing software based fatigue sustainable workload model to monitor & control fatigue sustainability for Indian underground coal miners- An Ergo-experimental approach	DST-SERB-CRG	Dey,N.C., Prof. (M) Indian Institute of Engineering Science & Technology Botanic Garden Howrah - 711 103 West Bengal	32.71	36
2077	CFD based design of mechanical heart valves	DST-SERB-CRG	Roy,S., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	49.08	36
2078	CMOS compatible ferroelectric tunnel junction for universal memory	DST-SERB-CRG	Thomas,R., Prof. (M) Lovely Professional University Grand Trunk Road, Phagwara Jalandhar - 144 411 Punjab	23.56	36
2079	Cognitive robotics based study of Child-Robot Interaction (CRI) - Characterization of critical parameters & interaction design	DST-SERB-CRG	Bhattacharya,B., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	27.22	24
2080	Combinatorial development of multicomponent alloys by sputtering onto 3D printed customized bone implants	DST-SERB-CRG	Subramanian,B., Dr. (M) Principal Scientist CSIR-Central Electrochemical Research Institute Karaikudi - 630 006 Tamil Nadu	35.36	36
2081	Compact model development of GaN high electron mobility transistors & validation through characterization of fabricated test structures	DST-SERB-CRG	Dasgupta,A., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	52.40	36
2082	Comparative study of soft error tolerant synchronous & asynchronous processors	DST-SERB-CRG	Mekie,J., Dr. (F) Assistant Professor Indian Institute of Technology (Gandhinagar) Chandkheda Gandhinagar - 382 424 Gujarat	50.64	36
2083	Composition-micostructure-property correlation studies of eco-friendly (lead free) magnetoelectric multiferroic composites	DST-SERB-CRG	Kumar,S., Dr. (M) Associate Professor Punjab Engineering College University of Technology Sector 12 Chandigarh - 160 012 Chandigarh	62.26	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2084	Construction of a basic flash sintering set-up & a study of its application to the fabrication of dense oxides & carbides	DST-SERB-CRG	Amalkaitheri,N., Dr. (M) Assistant Professor Amrita Vishwa Vidyapeetham Amritanagar, Ettimadai Coimbatore - 641 105 Tamil Nadu	22.77	36
2085	Corroboration studies for development of innovative meta-material based seismic isolation systems	DST-SERB-CRG	Laskar,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	33.01	36
2086	Coupling of particle-based DEM & DSMC techniques for understanding dusty gas flow dynamics	DST-SERB-CRG	Kumar,R., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	33.45	36
2087	Cu <sub>2</sub> O photocathode devices for hydrogen generation	DST-SERB-CRG	Kavaipatti,B.R., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	59.44	36
2088	Customized multimaterial product design & development with 3D network metal based composites using low cost additive manufacturing route	DST-SERB-CRG	Gnanamoorthy,R., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	55.70	36
2089	Cyclic Thermochemical fuel generation	DST-SERB-CRG	Singh,R., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	52.64	36
2090	Data driven, chemical kinetically consistent & efficient reaction mechanism reduction strategies for computational combustion	DST-SERB-CRG	Narayanaswamy,K., Dr. (F) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	42.15	36
2091	Deep eutectic mixtures with graphene functionalized nanofluids for indirect solar desalination using multistage flash approach	DST-SERB-CRG	Banerjee,T., Prof. (M) Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	71.18	36
2092	Deformation processing of lightweight structural metals: Correlating surface flow fields, energy dissipation & product quality through in situ analyses	DST-SERB-CRG	Viswanathan,K., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	58.40	36
2093	Design & analysis of cylindrical conformal antennas	DST-SERB-CRG	Ghosh,B., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	61.32	36
2094	Design & analysis of polar codes & learning-based codes	DST-SERB-CRG	Vadlamani,L., Dr. (F) Assistant Professor International Institute of Information Technology Professor C.R. Rao Road, Gachibowli Hyderabad - 500 032 Telangana	39.51	36
2095	Design & characterization of an Al-Ti based high entropy alloys	DST-SERB-CRG	De,P.S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 013 Odisha	36.50	36
2096	Design & development of a dynamic photovoltaic array fed single-stage PV pumping system using an open-end winding induction motor	DST-SERB-CRG	Reddy,B.V., Dr. (M) Associate Professor National Institute of Technology (Goa) Farmagudi, Ponda Goa - 403 401 Goa	21.58	36
2097	Design & development of a simple cost-effective table-top multi-axis CNC machine tool configuration using parallel kinematics	DST-SERB-CRG	Joshi,S.N., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	35.35	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2098	Design & development of affordable myoelectric prosthetic hand	DST-SERB-CRG	Sharma,S., Dr. (F) Associate Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	10.01	36
2099	Design & development of Fiber Ring Loop Down (FRLD based monitoring system for roof safety measure in underground mines	DST-SERB-CRG	Mandal,S., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Sarder Patel Naper Dhanbad - 826 004 Jharkhand	33.39	36
2100	Design & development of indigenous on-board autopilot & vision-based navigation systems for autonomous flight of hover capable rotary-wing vehicles	DST-SERB-CRG	Shah,S.V., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH-65, Surpura Bypass Road, Karwar Jodhpur - 342 011 Rajasthan	46.22	36
2101	Design & development of low-cost multiple port power electronic interface for solar photovoltaic applications	DST-SERB-CRG	Patel,R., Dr. (M) Associate Professor National Institute of Technology (Raipur) G.E. Road Raipur - 492 010 Chhattisgarh	31.24	36
2102	Design & development of novel high-speed, high-resolution, & large-volume 3D micro-printer	DST-SERB-CRG	Gandhi,P.S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	75.80	36
2103	Design & development of oscillatory aquifer pumping tests system at laboratory scale with implication to field scale	DST-SERB-CRG	Dhar,A., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.54	36
2104	Design & development of partial discharge identification system for gas insulated system adopting fluorescent optical fibers	DST-SERB-CRG	Srinivasan,B., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	75.25	24
2105	Design & development of plasmonic interconnects & switches	DST-SERB-CRG	Dhawan,A., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	66.71	36
2106	Design & fabrication of a cold plate using friction stir channeling for thermal management of electronic systems & battery packs	DST-SERB-CRG	Pal,S.K., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	33.25	36
2107	Design of a novel & ultra low power all digital front end acquisition with configurable time to digital converter & integrated application specific processor for detection of myocardial infarctions	DST-SERB-CRG	Mishra,B., Dr. (M) Professor Dhirubhai Ambani Institute of Information Communication Technology Post Box No. 4 Gandhinagar - 382 007 Gujarat	21.75	36
2108	Design of an optical transmitter using optimized DFB laser & EDFA	DST-SERB-CRG	Fayaz,G.Q., Dr. (F) Associate Professor National Institute of Technology (Srinagar) Hazartbal Srinagar - 190 006 Jammu & Kashmir	43.28	36
2109	Design of high power CW magnetrons & investigations on strategies for their phase control	DST-SERB-CRG	John,J., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.08	24
2110	Design of time domain ADCs with an improved linearity	DST-SERB-CRG	Jain,A., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.59	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

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2111	Design, control & implementation of power electronic converters for medium voltage DC, STATCOM & electric drive applications using Silicon Carbide (SiC) power devices	DST-SERB-CRG	Shukla,A., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.07	36
2112	Design, fabrication, & optimization of short-wave-infra-red Light Emitting Diodes (LEDs) based on Molecular-Beam-Epitaxy (MBE)-grown Ge/GeSn/Ge heterostructures	DST-SERB-CRG	Mahapatra,S., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	54.51	36
2113	Design, growth & fabrication of III-Nitride based single photon source operating at higher (200k & above) temperature	DST-SERB-CRG	Laha,A., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	64.65	36
2114	Designing of novel transition metal oxide based ferroelectric perovskites for visible light photovoltaic application	DST-SERB-CRG	Roy,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 013 Odisha	47.38	36
2115	Detection & diagnosis of intentional electromagnetic interference attack on critical network	DST-SERB-CRG	Karumbu,P., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Melakottaiyur Village, Nellikuppam Road Chennai - 600 127 Tamil Nadu	81.08	36
2116	Developing a design basis for cold-formed steel wall panels under seismic loading	DST-SERB-CRG	Nithyadharan,M., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post, Settipalli Tirupati - 517 506 Andhra Pradesh	33.47	36
2117	Developing a novel twin-fluid atomizer for energy efficient spray drying of high viscosity liquids	DST-SERB-CRG	Avulapati,M.M., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post, Settipalli Tirupati - 517 506 Andhra Pradesh	46.35	36
2118	Developing interface between clay & concrete applying polymers	DST-SERB-CRG	Ghosh,P., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	46.00	36
2119	Development of a 3-colour SLIPI technique for spray characterization	DST-SERB-CRG	Anand,T.N.C., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	43.36	36
2120	Development of a closed-loop integrated MEMS capacitive accelerometer for inertial & navigation systems	DST-SERB-CRG	Kar,S.K., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	58.97	36
2121	Development of a design through-analysis methodology based on Isogeometric technology: Application to phase-field fracture & topology optimization	DST-SERB-CRG	Chowdhury,R., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	21.05	36
2122	Development of a low cost highly sensitive & selective Nitric Oxide (NO) sensor for asthma diagnosis	DST-SERB-CRG	Mondal,S.P., Dr. (M) Assistant Professor National Institute of Technology (Agartala) P.O: Former Tripura Engineering College, Barjala, Jirania Agartala - 799 046 Tripura	55.19	36
2123	Development of a methanol gasoline fuelled spark ignition engine	DST-SERB-CRG	Subramanian,K.A., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	71.27	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2124	Development of a non-invasive insulation diagnostic system for large power equipment employing cellulose impregnated with alternate dielectric liquid as its primary insulation taking into consideration the influence of trapped charge present in the system	DST-SERB-CRG	Baral,A., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	40.09	36
2125	Development of a synchrophasor based fault identification module for uncompensated/compensated transmission lines	DST-SERB-CRG	Bhalja,B.R., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	42.81	36
2126	Development of advanced neuromorphic-and memory-centric computing hardware	DST-SERB-CRG	Suri,M., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	66.11	36
2127	Development of amorphous Tin oxide based active channel layers & fabrication of a high mobility transistor with stable operation	DST-SERB-CRG	Shanmugam,P., Dr. (M) Assistant Professor P.S.G. Institute of Advanced Studies Post Box: 1609, Avinashi Road, Peelamedu Coimbatore - 641 004 Tamil Nadu	71.70	36
2128	Development of an ionic liquid based ultra-high heat dissipation module for energy efficient boiling systems	DST-SERB-CRG	Raj,R., Mr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	46.33	36
2129	Development of assessment protocols for aspiring athletes using surface electromyography signals	DST-SERB-CRG	Venugopal,G., Dr. (M) Associate Professor N.S.S. College of Engineering N.S.S. Nagar, Akathethara Palakkad - 678 008 Kerala	55.92	36
2130	Development of ceramic dielectric thin film capacitors for hybrid electric vehicle applications	DST-SERB-CRG	Kumar,V., Dr. (M) Scientist F Centre for Materials for Electronics Technology (C-MET) P.O. Athani, M.G. Kavu Thrissur - 580 011 Kerala	35.32	36
2131	Development of circuit building blocks using unique combination of solution based organic semiconductor technology & microelectronic technology	DST-SERB-CRG	Dutta,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	50.92	36
2132	Development of conductive FDM based rapid tooling for EDM electrode fabrication: Application in medical implant manufacturing	DST-SERB-CRG	Kala,P., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	21.69	36
2133	Development of electrode position & ultrasonic shot peening based hybrid technique for nano ceramic dispersed metallic coating	DST-SERB-CRG	Basu,A., Prof. (M) Associate Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	55.33	36
2134	Development of environment-friendly fluxes for electro-slag refining of metallic alloys - Studies on thermo-physical properties	DST-SERB-CRG	Basu,S., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	45.78	36
2135	Development of flex-fuel engine map & multi-mode combustion strategy for Ethanol-gasoline fueled direct injection motorcycle engine	DST-SERB-CRG	Balusamy,S., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 205 Telangana	42.86	36



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2136	Development of high PF grid connected induction cooker with direct AC-AC conversion for vessels of different material	DST-SERB-CRG	Porpandiselvi,S., Dr. (F) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	32.89	36
2137	Development of high Tc lead free piezoelectric materials for energy harvesting	DST-SERB-CRG	Singh,A.K., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	52.71	36
2138	Development of highly sensitive & reliable thermopile flow sensors	DST-SERB-CRG	Deivasagayam,D., Dr. (M) Professor Vellore Institute of Technology University Vandalur Kelambakkam Road Chennai - 600 127 Tamil Nadu	48.05	36
2139	Development of innovative hydrometallurgical process for extraction of rare earth elements from metallurgical & chemical process wastes (In- nova-Rare)	DST-SERB-CRG	Abhilash,A., Dr. (M) Senior Scientist CSIR-National Metallurgical Laboratory P.O. Burma Mines Jamshedpur - 831 007 Jharkhand	41.28	36
2140	Development of lead free piezoelectric based nano generators: Modeling, simulation & experimental realization	DST-SERB-CRG	Pratiher,B., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH-65, Surpura Bypass Road, Karwar Jodhpur - 342 011 Rajasthan	53.54	36
2141	Development of low-cost $\beta$ Ti alloy for biomedical applications	DST-SERB-CRG	Chattopadhyay,K., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	40.50	36
2142	Development of low-cost, easy to install & high-performance indigenous photo-voltaic powered inductive wireless power transfer charging system for light duty electric vehicles	DST-SERB-CRG	Bharatiraja,C., Dr. (M) Associate Professor S.R.M. University S.R.M. Nagar, Kattankulathur Kattankulathur - 603 203 Tamil Nadu	38.24	36
2143	Development of low-ppm ammonia sensors using NiO/CeO <sub>2</sub> hetero structured nano fibers	DST-SERB-CRG	Sinha,S.K., Dr. (M) Assistant Professor National Institute of Technology (Raipur) G.E. Road Raipur - 492 010 Chhattisgarh	30.23	36
2144	Development of membrane confined stem grouted piles & their behavior under uplift loading	DST-SERB-CRG	Sudheesh,T.K., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	30.42	36
2145	Development of multilayer capacitors based electrocaloric module for domestic cooling applications	DST-SERB-CRG	Mondal,P.S., Dr. (M) Assistant Professor National Institute of Foundry and Forge Technology Near Kanchnatoli, Hatia Ranchi - 834 003 Jharkhand	42.40	36
2146	Development of nanofoam based plasmonic structures towards photo-electro-chemical water splitting & CO <sub>2</sub> reduction	DST-SERB-CRG	Marepally,B.C., Dr. (M) Assistant Professor K.L. University R.V.S Nagar, Moinabad Road, Aziz Nagar Hyderabad - 500 007 Telangana	56.22	36
2147	Development of numerical & experimental model for unified sea- keeping & manoeuvring of ships in seaway	DST-SERB-CRG	Rajendran,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	35.28	36
2148	Development of phase field dislocation dynamics model & its implementation with ab-initio inputs	DST-SERB-CRG	Gururajan,M.P., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	37.76	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2149	Development of system to mitigate second order harmonic ripple in AC/DC microgrid using advanced control techniques	DST-SERB-CRG	Fulwani,D.M., Dr. (M) Associate Professor Indian Institute of Technology (Jodhpur) NH-65, Surpura Bypass Road, Karwar Jodhpur - 342 011 Rajasthan	47.47	36
2150	Development of tools & techniques for future unbalanced distribution system operation: With integration of RES, EVs, BESS & demand side management	DST-SERB-CRG	Verma,A., Dr. (F) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	50.74	36
2151	Development of ultrasonic assisted tandem electrochemical & electrodischarge micromachining process	DST-SERB-CRG	Dvivedi,A., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	59.96	36
2152	Drives for electric vehicle applications	DST-SERB-CRG	Kanagaraj,R., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Palai Gandhinagar - 382 424 Gujarat	22.69	36
2153	Dynamic biomedical image reconstruction from highly noisy & under-sampled data using motion-adaptive spatio-temporal regularization	DST-SERB-CRG	Arigovindan,M., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	29.19	36
2154	Dynamic modeling & control of multi degrees-of freedom flexible robot for use in uncertain environment	DST-SERB-CRG	Chakravarty,S., Dr. (M) Professor National Institute of Technology (Rourkela) Sector-1 Rourkela - 769 008 Odisha	17.53	36
2155	Effect of flexibility in flapping foil on flow & thrust generation	DST-SERB-CRG	Shinde,S.Y., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	47.67	36
2156	Effect of passage of electric pulse on flaws in metallic foils: Failure by flaw propagation to healing by flaw closure	DST-SERB-CRG	Kumar,P., Dr. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	61.26	36
2157	Effect of Y2O3 addition on oxidation behavior of pressure-less sintered ZrB2- SiC composite	DST-SERB-CRG	Mallik,M., Dr. (M) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	34.99	36
2158	Efficient energy management system for smart residential networks via intelligent mobile web services	DST-SERB-CRG	Sodhi,R., Dr. (F) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	30.58	36
2159	Electroplastic deformation for enhanced formability	DST-SERB-CRG	Krishnaswamy,H., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	55.81	36
2160	EMGNet: Development of deep learning based model for hand movement's classification using surface EMG signals	DST-SERB-CRG	Turlapaty,A.C., Dr. (M) Assistant Professor Indian Institute of Information Technology 630 Gnan Marg, Sri City Chittoor - 517 588 Andhra Pradesh	34.07	36
2161	Energy efficient RF/VLC networks for IoT applications	DST-SERB-CRG	Garg,P., Dr. (F) Professor Netaji Subhas Institute of Technology Sector 3, Dwarka New Delhi - 110 078 Delhi	35.17	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2162	Enhancement of boiling & condensation in mini channels through durable wetability-patterned surfaces	DST-SERB-CRG	Pattamatta,A., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	54.47	36
2163	Establishing aluminium-oxygen equilibria & inclusion formation in high Al liquid steel	DST-SERB-CRG	Pande,M.M., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	65.70	36
2164	Execution of a common approach for current sensor fault-tolerant control of induction motor drives in different control regimes	DST-SERB-CRG	Das,S., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sarder Patel Nagar Dhanbad - 826 004 Jharkhand	46.86	36
2165	Experimental & numerical investigation of air entrainment into different types of Infrared Suppression (IRS) devices	DST-SERB-CRG	Barik,A.K., Dr. (M) Assistant Professor College of Engineering & Technology (Bhubaneswar) Ghatikia, Kalinga Vihar Bhubaneswar - 751 029 Odisha	35.01	36
2166	Experimental investigation into the effect of aerodynamics within the primary zone of biofuel operated swirl stabilized gas turbine combustor on combustion & emissions characteristics	DST-SERB-CRG	Kolhe,P.S., Dr. (M) Assoicate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 205 Telangana	27.26	36
2167	Experimental investigation of azimuthal combustion instability (screech) in annular combustors/after burners of gas turbine engines	DST-SERB-CRG	Mariappan,S., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	47.58	36
2168	Experimental study on effect of steam dilution on high pressure swirl combustion	DST-SERB-CRG	Vanteru,M.R., Prof. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	46.17	36
2169	First-principle design, synthesis, & characterization of nickelceria-zirconia catalysts for methane tri-reforming from Mof precursors	DST-SERB-CRG	Biswas,P., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	55.73	36
2170	Flexible inorganic devices for backplane & sensor node electronics	DST-SERB-CRG	Singh,M., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	52.86	36
2171	Flow boiling of binary mixture in mini/microchannels: Thermo-hydrodynamic study from conjugate heat transfer perspective	DST-SERB-CRG	Satapathy,A.K., Dr. (M) Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	20.24	36
2172	Fractional-order modeling for optimum design & sizing of supercapacitor systems considering the memory effects associated with the charge redistribution	DST-SERB-CRG	Agarwal,V., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	29.17	24
2173	Functionality enhancement of reconfigurable transistors by implementing standalone & embedded 1T-DRAM	DST-SERB-CRG	Kranti,A., Dr. (M) Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 452 011 Madhya Pradesh	40.44	36
2174	Fundamental studies on water in-diesel emulsions as alternative fuels	DST-SERB-CRG	Kaisare,N.S., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	67.14	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2175	Grid compliant direct matrix converter fed DFIG based wind power generator	DST-SERB-CRG	Kastha,D., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	60.60	36
2176	Heterogeneous catalysis in complex reaction environments to produce biorenewable chemicals: Understanding fundamental challenges towards commercialization	DST-SERB-CRG	Haider,M.A., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	79.79	36
2177	Hierarchically designed electrodes for air breathing zinc-ion batteries, the potential replacement for Li-ion batteries	DST-SERB-CRG	Bauri,R., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	44.39	36
2178	High performance rare earth free nanocomposite permanent magnets for advanced motors & alternative energy applications	DST-SERB-CRG	Prasad,N.K., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	56.90	36
2179	Highly efficient, low emission gasoline compression ignition engine prototype development	DST-SERB-CRG	Agarwal,A.K., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	59.20	36
2180	Hot deformation simulation study of alloy 625 & its high temperature fatigue behavior in Indian context	DST-SERB-CRG	Mula,S., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	59.20	36
2181	Hydrogen embrittlement in high strength steels for energy industries: Assessment & prevention	DST-SERB-CRG	Singh,S.B., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	59.53	36
2182	Hydrogen production through water splitting by novel nanocrystalline Al-based alloys (with added few layered graphene)	DST-SERB-CRG	Varam,S., Dr. (F) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	34.20	36
2183	Hydrogenated amorphous silicon-germanium alloy films for enhanced efficiency of thin-film solar-cell based on $\text{Cu}_2\text{ZnSnS}_4$ (CZTS)	DST-SERB-CRG	Ingole,S., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Varanasi - 208 016 Uttar Pradesh	51.92	36
2184	Improving performance of power electronic circuits using GaN-HEMT devices	DST-SERB-CRG	Sandeep,A., Prof. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	55.53	36
2185	Indigenous development of pulsed LiDAR for autonomous navigation of drones	DST-SERB-CRG	Murali,P., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	60.98	36
2186	Indoor air quality monitoring sensor system prototype	DST-SERB-CRG	Guha,P.K., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	50.13	36
2187	Industrial & domestic monitoring & control using a decentralized cyber physical system	DST-SERB-CRG	Trivedi,A., Prof. (M) Atal Bihari Vajpayee-Indian Institute of Information Technology & Management Morena Link Road Gwalior - 474 015 Madhya Pradesh	19.07	36
2188	Influence of high-strength reinforcing steel & concrete on seismic performance of RC beam column joints	DST-SERB-CRG	Sahoo,D.R., Prof. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	58.50	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2189	Information design for socio-technical systems	DST-SERB-CRG	Kulkarni,A.A., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	46.58	36
2190	In-situ microscopy study of age hardening in dispersion strengthened cast magnesium alloys & its ex-situ correlation with mechanical properties	DST-SERB-CRG	Mondal,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	37.36	36
2191	Integration of PZT with 2D layered MoS2 for low power non-volatile memory & broad band photodetectors	DST-SERB-CRG	Kolla,L.G., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	56.46	24
2192	Integration of variable frequency clock & gated clock tree to mitigate power supply noise in multi-core Cpu	DST-SERB-CRG	Majumder,A., Dr. (M) Assistant Professor National Institute of Technology (Arunachal Pradesh) Yupia Papum Pare - 791 111 Arunachal Pradesh	38.88	36
2193	Intelligent & flexible PHY for 5G*	DST-SERB-CRG	Darak,S.J., Dr. (M) Assistant Professor Indraprastha Institute of Information Technology Okhla Industrial Estate, Phase 3 New Delhi - 110 020 Delhi	49.27	36
2194	Intelligibility improvement of speech in realistic noisy environments	DST-SERB-CRG	Nathwani,K., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	30.36	36
2195	Interference rejection using built-in filter based band-pass Sigma Delta modulators	DST-SERB-CRG	Kumar,N.Y.B., Dr. (M) Assistant Professor National Institute of Technology (Goa) Farmagudi Goa - 403 401 Goa	43.01	36
2196	Investigation of corrosion inhibition properties of newly synthesized green inhibitors against mild steel in acidic medium	DST-SERB-CRG	Adhikari,U., Dr. (M) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	68.02	36
2197	Investigation of instabilities & vibrations in cables & belts travelling over pulleys	DST-SERB-CRG	Wahi,P., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	66.31	36
2198	Investigation of low frequency dynamics of magnetic skyrmions using highly sensitive III-V semiconductor hetero structure based micro-hall devices	DST-SERB-CRG	Das,P., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	61.00	36
2199	Investigation of novel high temperature shape memory alloys for critical applications	DST-SERB-CRG	Vedamanickam,S., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	60.66	36
2200	Investigation of proximity induced exchange fields in UHV sputter deposited ferromagnetic Insulator (GdN)/ Superconductor (Nb, Al) thin film multilayers & devices	DST-SERB-CRG	Pal,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	76.70	36
2201	Investigation of the dynamics of charged particle/macromolecules in gel electrophoresis in presence of external noise	DST-SERB-CRG	Goohpattader,P.S., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	46.64	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2202	Investigation of the unsteady aerodynamic response of LP turbine blade under part load conditions	DST-SERB-CRG	Dutta,S., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	56.65	36
2203	Investigation on fault protection & relay coordination for photovoltaic based DC microgrid against uninterrupted power supply	DST-SERB-CRG	Dhar,S., Dr. (M) Assistant Professor Institute of Technical Education & Research Jagamara, Khandagiri Bhubaneswar - 751 030 Odisha	41.91	36
2204	Investigation, design & implementation of multifunctional 5G antenna systems for cognitive radio & mm-wave applications	DST-SERB-CRG	Saha,C., Dr. (M) Associate Professor Indian Institute of Space Science & Technology Valiamala Thiruvananthapuram - 695 547 Kerala	55.24	36
2205	Investigations on the origin of threshold switching mechanism in chalcogenide-based phase change materials & its impact on enabling the speed limits of Ovonic Threshold Switch (OTS) selectors & Phase Change Memory (PCM) devices	DST-SERB-CRG	Manivannan,A., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	62.79	36
2206	Large-area & stable perovskite solar cells	DST-SERB-CRG	Avasthi,S., Prof. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	77.11	36
2207	Large-signal RF reliability modeling & characterization of hot carrier degradation in 10- Nm FinFETs	DST-SERB-CRG	Dixit,A., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	64.50	36
2208	Localization of autonomous underwater vehicle for offshore monitoring, maintenance & exploration	DST-SERB-CRG	Roy,H., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	37.18	36
2209	Low cost treatment of mine drainage by phytoremediation & implementation in an affected mine	DST-SERB-CRG	Dey,K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	39.85	36
2210	Low cost, faster & accurate low velocity impact damage imaging along with depth profiling for carbon fibre reinforced composite materials using vibro-thermography & concept of local defect resonance	DST-SERB-CRG	Bose,T., Dr. (M) Assistant Professor National Institute of Technology (Meghalaya) Bijni Complex, Laitumkhras Shillong - 793 003 Meghalaya	45.34	36
2211	Low frequency flexible & conformal capacitive surface-based broadband absorbers with minimum thickness & maximum bandwidth targeting surveillance Radar signal avoidance	DST-SERB-CRG	Mohan,A., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	40.19	36
2212	Making simultaneous rheological & thermal maps of the cellular interior	DST-SERB-CRG	Ghosh,A., Dr. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	76.89	36
2213	Matching's under preferences - Theory & practice	DST-SERB-CRG	Nasre,M., Dr. (F) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	19.76	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2214	Mechanical behavior of additively manufactured hierarchical micro- architected metamaterials & composites for structural & functional applications	DST-SERB-CRG	Mangipudi,K.R., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Anugul, Jatmi Bhubaneswar - 751 013 Odisha	46.17	36
2215	Mechanical behavior of advanced high strength steel processed by additive manufacturing	DST-SERB-CRG	Srinivas,S.N.C., Dr. (F) Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	39.84	36
2216	Metabolic engineering strategies for production of high value indolocarbozole drug molecules	DST-SERB-CRG	Raghunathan,A., Dr. (F) Principal Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	66.10	36
2217	Metal doped Laser Induced Graphene (LIG) conductive membranes & surfaces for the environmental remediation	DST-SERB-CRG	Singh,S.P., Dr. (M) Assistant Profesoor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	46.79	36
2218	Metamaterial impregnated wind-turbine tower towards sustainable clean energy	DST-SERB-CRG	Banerjee,A., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	44.10	36
2219	Microchannels containing & metal-graphene oxide dispersed carbon film-based chemiresistive/electrochemical sensors for aqueous metals	DST-SERB-CRG	Verma,N., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	44.79	36
2220	Mixing in electrically driven flows: Effect of theology	DST-SERB-CRG	Ghosh,U., Prof. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Chandkheda Gandhinagar - 382 424 Gujarat	18.09	36
2221	Model updating & aeroelastic control of delaminated aircraft structures	DST-SERB-CRG	Mahato,P.K., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	46.80	36
2222	Modeling & control of electromagnetic levitation devices	DST-SERB-CRG	Nabi,M.U., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	41.64	36
2223	Modeling the nature of active sites & the role of support in hydrodeoxygenation catalyst	DST-SERB-CRG	Agarwal,V., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	64.60	36
2224	Multifunctional graphene-bioresorbable nano tricalcium phosphate based hydrogels 3d scaffold for bone reconstructs	DST-SERB-CRG	Sridhar,T.M., Dr. (M) Assistant Professor Madras University Chepauk Campus, Triplicane Chennai - 600 005 Tamil Nadu	43.32	36
2225	Multi-node wide area distributed control to improve power system stability in Indian context	DST-SERB-CRG	Parida,S.K., Dr. (M) Indian Institute of Technology (Patna) Bihta Patna - 801 103 Bihar	55.22	36
2226	Multi-objective scheduling of marine access refinery with continuous-time formulation using evolutionary algorithms	DST-SERB-CRG	Ramteke,M.C., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.04	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2227	Multi-scale design of advanced composites & development of new manufacturing technologies	DST-SERB-CRG	Mahapatra,D.R., Prof. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	42.21	36
2228	Multiscale modeling of segregation behavior at interphase interfaces in advanced high strength steel	DST-SERB-CRG	Mukherjee,R., Prof. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	23.66	36
2229	Nanobubbles: A novel strategy for enhancing liquid fuel combustion	DST-SERB-CRG	Kabiraj,L., Dr. (F) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	48.99	36
2230	Nanoparticle oxygen carrier assisted chemical looping combustion	DST-SERB-CRG	Sanjay, Prof. (M) National Institute of Technology (Jamshedpur) Department of Mechanical Engineering Jamshedpur - 831 014 Jharkhand	39.91	36
2231	Nature inspired surface micro & nano structures for enhanced thin film evaporation cooling	DST-SERB-CRG	Sharma,C.S., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	57.59	36
2232	Network principles in 3D reconstruction	DST-SERB-CRG	Govindu,V.M., Prof. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	31.82	36
2233	Next generation dynamic capacitive & inductive power transfer topologies in green E-transportation systems	DST-SERB-CRG	Reddy,T.N., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) VPO Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	41.44	36
2234	Next-generation Indoor Communication Networks (NICNet)	DST-SERB-CRG	Dixit,A., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	66.13	36
2235	Non-intrusive real time investigation of the impact of nanoparticles on nucleate pool boiling heat transfer phenomena	DST-SERB-CRG	Srivastava,A., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	58.61	36
2236	Novel in-situ volume contractible metal halide negative electrodes for high performance lithium-ion batteries	DST-SERB-CRG	Sengupta,S., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH-65, Surpura Bypass Road, Karwar Jodhpur - 342 037 Rajasthan	31.07	36
2237	Novel powder metallurgy processing using spark plasma sintering technique for fabrication of titanium, zirconia & hydroxyapatite based functionally graded materials & graphene based components for dental applications	DST-SERB-CRG	Chakravarty,D., Dr. (M) Scientist E International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI) Post Office Balapur Hyderabad - 500 005 Telangana	46.03	36
2238	Novel receiver topologies for CMOS based receivers for IoT (Internet of Things) applications	DST-SERB-CRG	Mukherjee,J., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	64.75	36
2239	Numerical investigation on the effect of surface roughness & tilt angle on turbulent Rayleigh-Bénard convection	DST-SERB-CRG	De,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	15.82	36



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2240	Numerical technique to solve boundary value problems in solid mechanics	DST-SERB-CRG	Saravanan,U., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	43.79	36
2241	NYAYA: A legal assistance system for legal experts & the common man in India	DST-SERB-CRG	Bhattacharya,A., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	44.73	36
2242	Optimal in-field laser land leveling operation for equal cut-fill ratio & minimum travel path using particle swarm optimization	DST-SERB-CRG	Machavaram,R., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	30.45	36
2243	Optimizing co-digestion & pretreatment of organic fraction of municipal solid waste & sewage sludge for maximum biogas production	DST-SERB-CRG	Chandel,M.K., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	63.62	36
2244	Optimizing HPC applications	DST-SERB-CRG	Nandivada,K., Prof. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	29.40	36
2245	Optimizing wettability-engineered metal mesh for cooling tower fog harvesting	DST-SERB-CRG	Ganguly,R., Dr. (M) Professor Jadavpur University 188, Raja Subodh Chandra Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	46.23	36
2246	Output feedback controller design for linear parameter varying systems	DST-SERB-CRG	Ghosh,S., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banarad Hindu University Varanasi - 221 005 Uttar Pradesh	57.33	36
2247	Physical & mathematical modeling of gas-fine-liquid flow in a non-wetting packed bed	DST-SERB-CRG	Gupta,G.S., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	67.49	36
2248	Point-of-care electronic diagnosis of anemic diseases by employing Impedimetric techniques	DST-SERB-CRG	Karmakar,A., Dr. (M) Associate Professor Calcutta University 87 /1, College Street Kolkata - 700 073 West Bengal	64.55	36
2249	Powder mediated internal lubrication of granular flow systems	DST-SERB-CRG	Orpe,A.V., Dr. (M) Principal Scientist CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	53.29	36
2250	Predictive assessment of postural risk & biomechanical analysis of Musculo Skeletal Disorder (MSD) related problems of dump truck operators in Indian open cast metal mines	DST-SERB-CRG	Kunar,B.M., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH-66, Srinivasnagar Surathkal - 575 025 Karnataka	18.86	36
2251	Predictive modeling of interface phenomena in perovskite solar cells	DST-SERB-CRG	Nair,P.R., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	26.10	36
2252	Process Analytical Technology (PAT) control tools for high cell density cultivation of glycoengineered pichia pastoris for human interferon Alpha 2b production	DST-SERB-CRG	Sivaprakasam,S., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	43.01	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2253	Process development for biomitigation of flue gases (CO <sup>2</sup> , SO <sub>x</sub> , & No <sub>x</sub> ) using chemolithotrophs & production of value-added products	DST-SERB-CRG	Raghuwanshi, S., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	31.61	36
2254	Process intensified production of lignocelluloses liquid biofuel by cyclic shifting of the process parameters in a single bioreactor	DST-SERB-CRG	Maiti, S.K., Dr. (F) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	29.96	36
2255	Pushing the boundaries of cross-modal retrieval	DST-SERB-CRG	Biswas, S., Dr. (F) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	24.96	36
2256	Radiation hardened memory & logic design using hybrid spintronic-CMOS devices	DST-SERB-CRG	Kaushik, B.K., Prof. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	42.18	36
2257	Real-time flight vehicles distress management using online system identification	DST-SERB-CRG	Saderla, S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	41.62	36
2258	Recovery of scandium, TiO <sub>2</sub> & iron from red mud wastes of aluminum industries	DST-SERB-CRG	Kalidoss, J., Dr. (M) Principal Scientist CSIR-National Institute for Interdisciplinary Science & Technology P.O. Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	26.18	36
2259	Resource aware networked & distributed control	DST-SERB-CRG	Tallapragada, P., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	21.24	36
2260	Role of antiplane slip waves in rupture dynamics	DST-SERB-CRG	Kunnath, R., Dr. (M) Professor & Head Mahindra University Mahindra Ecole Centrale, Survey No. 62/1A, Bahadurpally, Jeedimetla Hyderabad - 500 043 Telangana	35.20	36
2261	Safe streets at night: Automated monitoring of streets with natural language summaries	DST-SERB-CRG	Namoodiri, V.P., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	47.92	36
2262	Scanning probe microscopes with rotatable tips: Development & applications	DST-SERB-CRG	Jayanti, G., Prof. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	50.05	36
2263	Security analysis of compiler optimization techniques	DST-SERB-CRG	Karfa, C., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	22.11	36
2264	Self-folding & supercoiling in elastic rods with application to bimolecular	DST-SERB-CRG	Kumar, A., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	26.04	36
2265	Self-lubricating Al-SiC-graphene composites for advanced tribological applications	DST-SERB-CRG	Sahoo, R.R., Dr. (M) Principal Scientist CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	27.85	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2266	Separation of biobutanol via scalable approach of pervaporation: To be a "viable biofuel for future"	DST-SERB-CRG	Choudhari,S., Dr. (M) Assistant Professor Dayananda Sagar University Shavige Malleshwara Hills, Kumaraswamy Layout Bengaluru - 560 078 Karnataka	40.96	36
2267	Single chip test set for portable 5G network analyzers	DST-SERB-CRG	Ghosh,D., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 013 Odisha	62.17	36
2268	Stable generation of optical vortex beams using long period grating inscribed few-mode optical fiber	DST-SERB-CRG	Roy,S., Dr. (M) Associate Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	39.57	36
2269	Stacking fault energy mediated deformation mechanisms in some Twinning Induced Plasticity (TWIP) steels	DST-SERB-CRG	Sahu,P., Dr. (M) Associate Professor Jadavpur University 188, R.S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	46.26	36
2270	Steady state, transient & stability behavior of coupled natural circulation loops	DST-SERB-CRG	Chandavar,A.U., Dr. (M) Associate Professor Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	13.32	36
2271	Studies on hybrid Pressure Retarded Osmosis (PRO) - Reverse Osmosis (RO) system for energy generation utilizing hypersaline RO reject stream	DST-SERB-CRG	Roy,A., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH 17b Bypass Road Zuarinagar - 403 726 Goa	36.30	36
2272	Studies on the crystallization of crystalline/crystalline binary polymer blends	DST-SERB-CRG	Dasmahapatra,A.K., Prof. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	53.83	36
2273	Study of double pulse laser ignition of an atomized fuel-air mixture	DST-SERB-CRG	Joarder,R., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	57.88	36
2274	Study of solvent induced polymorphism during crystal nucleation of molecular solids using molecular simulations	DST-SERB-CRG	Punnathanam,S.N., Dr. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	70.24	36
2275	Study of stress corrosion cracking mechanism(s) of copper containing 7000 series aluminum alloys	DST-SERB-CRG	Raja,V.S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	62.26	36
2276	Study of the deterioration mechanisms in glass textile reinforced concrete & improvement of its durability	DST-SERB-CRG	Gettu,R., Prof. (M) Dean Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	54.82	36
2277	Study on cyber-physical approach for electric power grid	DST-SERB-CRG	Kishor,N., Dr. (M) Professor Motilal Nehru National Institute of Technology Teliarganj Allahabad - 211 004 Uttar Pradesh	78.40	36
2278	Sustainable network communication through cognitive intelligence at the edge	DST-SERB-CRG	De,S., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	53.86	36
2279	Synthesis & development of fast response NTC thermistor for high temperature application	DST-SERB-CRG	Das,T., Dr. (F) Lecturer Kalinga Institute of Social Sciences Bhubaneswar - 751 002 Odisha	41.47	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2280	Synthesis & exploration of Polybenzoxazines (PBZs) resins as an alternative to traditional phenolic resin in friction materials - A possible breakthrough	DST-SERB-CRG	Bijwe,J., Prof. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	65.82	27
2281	Synthesis & validation of new class of redox-active adsorbents for selective removal of trace hexavalent chromium from contaminated drinking water	DST-SERB-CRG	Sarkar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	20.99	24
2282	Synthesis of artificial sweeteners & high value chemicals from biorenewable resources using noble metal aerogel catalysts	DST-SERB-CRG	Pant,K.K., Dr. (M) Professor & Head Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	76.95	36
2283	Tailored fiber placement technique for enhancement of buckling & post buckling performance of stiffened variable angle tow composite panel	DST-SERB-CRG	Raju,G., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 205 Telangana	49.54	36
2284	Tailoring the architecture of microstructure in Al-based Al-Cu-Ni alloys to improve the mechanical properties	DST-SERB-CRG	Bera,S., Dr. (M) Associate Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	47.00	36
2285	Thermo-fluid dynamic measurement of evaporating film on a heated surface	DST-SERB-CRG	Bakshi,S., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	60.61	36
2286	Tunable surface plasmon optical sensing behavior of M-MoS <sub>2</sub> (M= Cu,Ag,Au) alloy nanostructures	DST-SERB-CRG	Mukherjee,B., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	44.65	36
2287	Unauthorized person detection & location monitoring using thermal imaging & Gait recognition	DST-SERB-CRG	Ari,S., Dr. (M) Associate Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	25.19	36
2288	Understanding behavior of droplets & liquid interfaces under a magnetic field	DST-SERB-CRG	Sen,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	43.12	36
2289	Understanding the self-assembly of amphiphilic molecules in super-cooled solvents using molecular simulations	DST-SERB-CRG	Singh,J.K., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	64.62	36
2290	Using coding theory for fast & robust distributed communication & computing systems	DST-SERB-CRG	Krishnan,P., Dr. (M) Assistant Professor International Institute of Information Technology Professor C.R. Rao Road, Gachibowli Hyderabad - 500 032 Telangana	28.38	36
2291	Water purification using solar energy-driven Humidification Dehumidification (HDH) technique	DST-SERB-CRG	Tyagi,H., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	48.08	36
2292	Wideband gallium nitride based out phasing power amplifier for upcoming 5G wireless transmitters	DST-SERB-CRG	Rawat,K., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	65.72	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2293	A behavioral study of Ransomware - To develop a generic mitigation system	DST-SERB-ECRA	Ramesh,G., Dr. (M) Assistant Professor Amrita Vishwa Vidyapeetham Amritanagar, Ettimadai Coimbatore - 641 105 Tamil Nadu	18.63	36
2294	A novel approach to wind turbine siting & wind resource assessment using smart drone based wind measurement system	DST-SERB-ECRA	Subramanian,B., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	50.00	36
2295	Active colloids in complex environments	DST-SERB-ECRA	Mangal,R., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	49.51	36
2296	An experimental investigation on shock wave focusing & associated high temperature radiating flow field	DST-SERB-ECRA	Sugarno,M.I., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	49.71	36
2297	Analysis of interface characteristics to develop dissimilar wire & Arc-based additive manufacturing components for industrial applications	DST-SERB-ECRA	Mukherjee,M., Dr. (M) Assistant Professor CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	42.37	36
2298	Assessing the suitability of Warm Mix Asphalt (WMA) technology using tribological & performance characteristics	DST-SERB-ECRA	Saboo,N., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	36.71	36
2299	Assessment of indoor plants for improving air quality in buildings	DST-SERB-ECRA	Rai,A.C., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Hyderabad - 333 031 Telangana	39.71	36
2300	Bio-inspired hydrofoils for marine applications	DST-SERB-ECRA	Bhattacharya,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	28.30	36
2301	Combinatorial design of novel, Rare-Earth free permanent magnets	DST-SERB-ECRA	Pradeep,K.G., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	49.58	36
2302	Combining machine learning techniques with first principles to screen stable functional materials with improved properties	DST-SERB-ECRA	Bhattacharya,A., Dr. (F) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.60	36
2303	Condition monitoring & diagnostics of induction motors using hybrid schemes	DST-SERB-ECRA	Jeevanand,S., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	39.31	36
2304	Continuous flow oil-water separation system using smart separators capable of low-voltage wettability switching	DST-SERB-ECRA	Sow,P.K., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH 17b Bypass Road Zuarinagar - 403 726 Goa	46.52	36
2305	Design & development of automated Lab-on-a-Chip microfluidic system for assessment of cellular reactive oxygen species	DST-SERB-ECRA	Sachdev,A., Dr. (M) Scientist CSIR-Central Scientific Instruments Organization Sector 30 Chandigarh - 160 030 Chandigarh	43.25	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2306	Design & development of flexible tactile sensor matrix for fetal health monitoring	DST-SERB-ECRA	Eshwar,T., Dr. (M) Scientist CSIR-Central Electronics Engineering Research Institute Pilani - 333 031 Rajasthan	45.13	36
2307	Design & development of RF Front-End (RFFE) passive components for Indian Fifth Generation (5G) cellular mobile network applications from microwave to millimeter wave	DST-SERB-ECRA	Dey,S., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	42.12	36
2308	Design & fabrication of helicopter tail rotor shaft system using carbon fibre reinforced composite	DST-SERB-ECRA	Chandraker,S., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	23.39	36
2309	Design of IOT based energy management system using cloud computing platform	DST-SERB-ECRA	Alam,A., Dr. (M) Assistant Professor Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	38.71	36
2310	Development of computational model for bipedal walking trajectories generation & analysis of different gait abnormality	DST-SERB-ECRA	Semwal,V.B., Dr. (M) Assistant Professor Maulana Azad National Institute of Technology (Bhopal) Link Road Number 3, Near River Town, Harshvardhan Nagar Bhopal - 462 051 Madhya Pradesh	20.82	36
2311	Development of Light Weight Eutectic High Entropy Alloys (LWEHEAs)	DST-SERB-ECRA	Maurya,R.S., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Khandwa Road, Simrol Rourkela - 769 008 Odisha	18.44	36
2312	Development of process technology for enhanced resistant starch content in rice & rice based snack (puffed rice)	DST-SERB-ECRA	Roy,A., Dr. (F) Assistant Professor Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	53.06	36
2313	Development of wettability-patterned soft surfaces for enhanced condensation	DST-SERB-ECRA	Mahapatra,P.S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	49.89	36
2314	Energy harvesting for 5G wireless networks: Impact on diverse wireless applications	DST-SERB-ECRA	Modem,S., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	21.66	36
2315	Engineering of resilient superhydrophobic coating using TiO2 nanostructures in combination with ultrathin conformal layer of organic molecules	DST-SERB-ECRA	Roy,P., Dr. (M) Assistant Professor Central University of Rajasthan NH 8, Bandar Sindhi Kishangarh - 305 801 Rajasthan	49.98	36
2316	Experimental investigation & performance evaluation of HARQ technique for free-space optical communication systems	DST-SERB-ECRA	Mathur,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 001 Rajasthan	42.84	36
2317	Experimental investigation on an energy efficient regenerative thermal management technique for hybrid electric vehicles	DST-SERB-ECRA	Datta,S.P., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet-Keesara Road, Jawahar Nagar Hyderabad - 500 078 Telangana	27.94	36
2318	Fabrication method of photonic crystals for three-dimensional manipulation of photons	DST-SERB-ECRA	Debnath,K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	44.83	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2319	High internal phase emulsions as templates for making water dispersible hollow microspheres with hydrophobic pore internals for prolonged release of fragrance molecules	DST-SERB-ECRA	Khan,A.Y., Dr. (M) Assistant Professor Manipal University Vatika Infotech City, Jaipur Ajmer Expressway, Post Thikaria Jaipur - 303 007 Rajasthan	31.19	36
2320	Instrumentation, real time monitoring & remediation of a steep soil slope stability in Meghalaya	DST-SERB-ECRA	Sahoo,S., Dr. (F) Assistant Professor National Institute of Technology (Meghalaya) Bijni Complex, Laitumkhrh Shillong - 793 003 Meghalaya	35.04	36
2321	Integrated electro-oxidation, electro-reduction & electrocoagulation process for the degradation of Ammoniacal Nitrogen in the presence & absence of carbon based pollutants	DST-SERB-ECRA	Singh,A.T., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	31.56	36
2322	Integrating wastewater treatment to groundwater softening & defluoridation using microbial desalination cell	DST-SERB-ECRA	Gangadharan,P., Dr. (F) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	35.19	36
2323	Laser-induced forward transfer for microscale printing of metals	DST-SERB-ECRA	Marla,D., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.54	36
2324	Leveraging machine learning & soft computing techniques to investigate the Raag formation in Indian classical music	DST-SERB-ECRA	Biswas,A., Dr. (M) Assistant Professor Grade II National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	24.68	36
2325	Model development & analysis of flash boiling sprays for internal combustion engines	DST-SERB-ECRA	Saha,K., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	49.93	36
2326	Modeling & analysis of crash risk & performance of motorbike riders under influence of human behavioral factors	DST-SERB-ECRA	Velaga,N.R., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.65	36
2327	Novel design of photoanode for flexible dye sensitize solar cell application using metal nanoparticle embedded TiO2 nanowires	DST-SERB-ECRA	Shougaijam,B., Dr. (M) Assistant Professor Manipur Technical University Government Polytechnic Campus Takyelpat Imphal - 795 004 Manipur	47.87	36
2328	Packed bed gasification of biomass with O <sub>2</sub> /CO <sub>2</sub> /steam mixtures	DST-SERB-ECRA	Varunkumar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	49.93	36
2329	Parametric instability of long flexible cables: An investigation on control techniques & energy harvesting	DST-SERB-ECRA	Ghoshal,R., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	28.53	36
2330	Pavement surface characteristics for safe & sustainable Indian roads	DST-SERB-ECRA	Kuna,K.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	49.16	36
2331	Performance analysis of electromechanical actuators in A 6-Dof shake table with hybrid actuation	DST-SERB-ECRA	Mangavu,G., Dr. (M) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	44.09	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2332	Pharmacoengineered lipid core-shell nanoarchitectonics to enhance macrophages uptake for potential translational therapeutic outcome	DST-SERB-ECRA	Banerjee,S., Prof. (M) Assistant Professor National Institute of Pharmaceutical Education & Research 1st Floor, Institute of Pharmacy Guwahati - 781 005 Assam	34.71	36
2333	Pressurized drop tube furnace experiments towards obtaining high-pressure kinetics of Indian coals & coal blends	DST-SERB-ECRA	Kumar,M., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	49.28	36
2334	Rate-dependent behavior of sand & its implications on strength prediction from field penetration tests	DST-SERB-ECRA	Mukherjee,M., Dr. (F) Assistant Professor Indian Institute of Technology (Mandi) Vpo Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	29.35	36
2335	Real-time hybrid simulation: Implementation, validation & application to multi-hazard performance assessment of buildings outfitted with a novel damping device	DST-SERB-ECRA	Kolay,C., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	49.92	36
2336	Self-powered electro-optical memory devices for next generation display & data storage applications	DST-SERB-ECRA	Chandran,A., Dr. (M) Scientist CSIR-Central Electronics Engineering Research Institute P.O. Industrial Estate, Pappanamcode Pilani - 333 031 Rajasthan	47.48	36
2337	Soft acoustic metamaterials: Fabrication, computation, & instrument development	DST-SERB-ECRA	Chindam,C., Prof. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	36.17	36
2338	Solution approaches for improving Wi-Fi performance in dense settings	DST-SERB-ECRA	Maity,M., Dr. (F) Assistant Professor Indraprastha Institute of Information Technology Okhla Industrial Estate, Phase III New Delhi - 110 020 Delhi	24.35	36
2339	Soot modeling & measurements in a counterflow diffusion flame	DST-SERB-ECRA	Seshagiri,K., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	46.55	36
2340	Study & design of a cost-effective prosthetic mechanical heart valve	DST-SERB-ECRA	Sasmal,C., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	45.58	36
2341	Tailoring heat treatment & microstructures in metal based Additive Manufactured (AM) parts	DST-SERB-ECRA	Meena,A., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	48.05	36
2342	Textured lead free Na0.5Bi0.5TiO3 based multilayer piezoelectric actuators	DST-SERB-ECRA	Karthik,T., Dr. (M) Scientist C Centre for Materials for Electronics Technology (C-MET) P.O.Athani, M.G. Kavu Thrissur - 580 011 Kerala	49.74	36
2343	Thermoelectric performance study using first-principles calculations based methods	DST-SERB-ECRA	Gandi,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	22.59	36
2344	Time-variant non-reciprocal components for Mm Wave applications	DST-SERB-ECRA	Pendharker,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	48.62	36



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2345	Wind energy conversion system with a wide range of operating speed	DST-SERB-ECRA	Hari,V., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.52	36
2346	A study on Curved speed humps (Chs) & its evaluation of environmental impacts for Indian conditions	DST-SERB-EMEQ	Molugaram,K., Prof. (F) Osmania University Hyderabad - 500 007 Telangana	38.23	36
2347	Adaptive control of robotic fettling for asymmetric Geometry & close tolerance cast components	DST-SERB-EMEQ	Dinakaran,D., Prof. (M) Hindustan Institute of Technology & Science Old Mahabalipuram Road, Kelamballam Kanchipuram - 600 016 Tamil Nadu	38.70	36
2348	Adsorptive removal of copper & in contaminated water near mining areas	DST-SERB-EMEQ	Shanmugam,S., Dr. (F) Assistant Professor Yogi Vermana University Ganganapalle Kadapa - 516 216 Andhra Pradesh	42.35	36
2349	An automatic tool for flood extent mapping & road passability analysis using social media posts & satellite images for Indian urban areas	DST-SERB-EMEQ	Jaisakthi,S.M., Dr. (F) Associate Professor Vellore Institute of Technology University Tiruvallam Road, Katpadi Vellore - 632 014 Tamil Nadu	25.77	36
2350	Comparative analysis of Teg & Whr system used for energy harvesting from engines	DST-SERB-EMEQ	Hansdah,D., Dr. (F) Assistant Professor National Institute of Technology (Jamshedpur) Adityapur Jamshedpur - 831 014 Jharkhand	21.29	36
2351	Dadie - A dedicated aerial diagnostic electrocardiographic system for early detection of atrial diseases	DST-SERB-EMEQ	Sivaraman,J., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	24.46	36
2352	Design & development of Mimo-Gfdm systems for 5G Embb services	DST-SERB-EMEQ	Sudha,V., Dr. (F) Assistant Professor National Institute of Technology (Tiruchirappalli) Tanjore Main Road, NH 67 Tiruchirappalli - 620 015 Tamil Nadu	20.89	36
2353	Design, optimization & fabrication of a low SAR compact MIMO patch antenna array for next generation millimeter wave wireless applications	DST-SERB-EMEQ	Singh,S., Dr. (M) Assistant Professor Punjabi University NH 64, Urban Estate Phase II Patiala - 147 002 Punjab	52.68	36
2354	Designing novel hybrid EEG-BCI based interface navigation system for the severely disabled persons	DST-SERB-EMEQ	Janapati,R., Dr. (M) Associate Professor S.R. Engineering College Ananthasagar, Hasanparthy Warangal - 506 371 Telangana	31.19	36
2355	Development & characterization of Ti-6Al-4V/TiB <sub>2</sub> & TiC hybrid composites for the use of artificial implant biomaterials	DST-SERB-EMEQ	Marimuthu,R., Dr. (M) Assistant Professor Government College of Engineering Sriranam Trichy - Madurai Highway, Sethurapatti Village Tiruchirappalli - 620 012 Tamil Nadu	29.73	36
2356	Development & testing of combustion characteristics of nanoparticle embedded biodiesel in an open ECU based dual fuel diesel engine	DST-SERB-EMEQ	Debbarma,S., Dr. (F) Assistant Professor National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	23.02	36
2357	Development of a novel Electrochemical Membrane Bioreactor (EMBR) for the treatment of low strength municipal wastewater & generation of sustainable bioelectricity simultaneously	DST-SERB-EMEQ	Kamsonlian,S., Dr. (M) Assistant Professor Motilal Nehru National Institute of Technology Teliarganj Allahabad - 211 004 Uttar Pradesh	39.30	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2358	Development of Al-Si alloys with & without grain refiner or eutectic modifier by stain induced melt activation process	DST-SERB-EMEQ	Mandal,D., Dr. (M) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	24.05	36
2359	Development of an innovative marine bacteria based cement-electrolyte battery for catholic protection of reinforced concrete as low power operator	DST-SERB-EMEQ	Palanisamy,T., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	33.43	36
2360	Development of bimetallic catalysts for direct non-oxidative conversion of methane to higher hydrocarbons	DST-SERB-EMEQ	Sontakke,S.M., Prof. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH 17b Bypass Road, Sancoale Zuarinagar - 403 726 Goa	42.50	36
2361	Development of compressive sensing based high resolution two-dimensional direction of arrival estimation Algorithms	DST-SERB-EMEQ	Puli,K.K., Dr. (M) Assistant Professor National Institute of Technology (Andhra Pradesh) Tadepalligudem Godavari - 534 101 Andhra Pradesh	25.29	36
2362	Development of failure limiting diagram for surface modified wheel-rail & wind-turbine bearing materials through rolling contact fatigue studies	DST-SERB-EMEQ	Dhanasekaran,K., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	49.27	36
2363	Development of five-level inverter fed direct torque & flux controlled sensorless permanent magnet synchronous motor drive for torque ripple minimization in hybrid electric vehicle	DST-SERB-EMEQ	Ramesh,T., Dr. (M) Assistant Professor National Institute of Technology (Andhra Pradesh) Tadepalligudem Godavari - 534 101 Andhra Pradesh	40.06	36
2364	Development of kitchen layout for paraplegic persons	DST-SERB-EMEQ	Kondareddy,R.K., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Calicut-Mukkam Road, Kattangal Kozhikode - 673 600 Kerala	26.75	36
2365	Development of light-weight & flexible multi-link robotic manipulator mounted on mobile platform: Modeling, simulation & physical realization	DST-SERB-EMEQ	Pratiher,B., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 011 Rajasthan	39.64	36
2366	Development of sustainable urban drainage system considering the climate change & urbanization impacts	DST-SERB-EMEQ	Naik,M.G., Prof. (M) Head Osmania University Hyderabad - 500 007 Telangana	40.14	36
2367	Disease prediction based on various pattern frequency & extraction of features by using convolution neural network	DST-SERB-EMEQ	Bhukya,R., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Warangal - 506 004 Telangana	30.50	36
2368	EEG SoC with patient-specific Schizophrenia detection system	DST-SERB-EMEQ	Sujatha,C.M., Dr. (F) Associate Professor Anna University Guindy Chennai - 600 025 Tamil Nadu	33.79	36
2369	Efficient modulation format recognition & optical performance monitoring for intelligent management of future optical communication networks	DST-SERB-EMEQ	Jeyachitra,R.K., Dr. (F) Associate Professor National Institute of Technology (Tiruchirappalli) Tanjore Main Road, NH67 Tiruchirappalli - 620 015 Tamil Nadu	50.21	36
2370	Efficient utilization & refresh overhead minimization of Edram based last level cache	DST-SERB-EMEQ	Das,S., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	35.25	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2371	Enabling innovative multiple self-healing technology in fiber-reinforced composite with unaltered mechanical properties	DST-SERB-EMEQ	Halder,S., Dr. (M) Assistant Professor National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	36.11	36
2372	Evaluation of engine parameters affecting the performance of enzymatic transesterification process using test fuel blends	DST-SERB-EMEQ	Naik,N.S., Dr. (M) Associate Professor Lakireddy Bali Reddy College of Engineering L.B.Reddy Nagar, District Krishna Mylavaram - 521 230 Andhra Pradesh	22.81	36
2373	Experimental technique to induce surface grain refinement through laser shock penning on Ecap processed Mg alloy	DST-SERB-EMEQ	Nayaka,S.H., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	41.02	36
2374	Fake image & news detection on social media through trustware based community portal	DST-SERB-EMEQ	Jana,B., Dr. (M) Assistant Professor Vidyasagar University Rangamati Midnapore - 721 102 West Bengal	20.24	36
2375	Forecasting significant social events by predictive analytics over streaming open source data	DST-SERB-EMEQ	Meena,Y.K., Dr. (M) Associate Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	16.84	36
2376	Identification of diseases in millet crop using deep learning for next generation climate-smart agriculture	DST-SERB-EMEQ	Naik,N.S., Dr. (M) Assistant Professor International Institute of Information Technology Dr. Shyama Prasad Mukherjee, Plot No. 7, Sector 24, Atal Nagar Raipur - 493 661 Chhattisgarh	25.63	36
2377	Implementation of IoT security solutions for health care monitoring systems	DST-SERB-EMEQ	Mamatha,G., Dr. (F) Assistant Professor Jawaharlal Nehru Technological University Anantapur-Bangalore Road Anantapur - 515 002 Andhra Pradesh	21.26	36
2378	Intelligent test & reliability architecture for extreme low-power IoT sensor nodes	DST-SERB-EMEQ	Tudu,J.T., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post, Settipalli Tirupati - 517 506 Andhra Pradesh	31.26	36
2379	Investigation on aging stability of Jatropa Cruces based insulating oil subjected to thermo-electric stress	DST-SERB-EMEQ	Das,A.K., Dr. (M) Assistant Professor North Eastern Regional Institute of Sciences & Technology Nirjuli Itanagar - 791 109 Arunachal Pradesh	41.30	24
2380	IoT based waste segregation & management for smart city	DST-SERB-EMEQ	Padmapriya,V., Dr. (F) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	19.03	36
2381	Jackfruit peel valorization through an integrated biorefinery approach	DST-SERB-EMEQ	Uppuluri,K.B., Dr. (M) Sr. Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	31.55	36
2382	Low power D2d communication with QoS constrains for l0b/IoT applications in 5G Network	DST-SERB-EMEQ	Arya,R.K., Dr. (M) Assistant Professor National Institute of Technology (Patna) Ashok Rajpath Patna - 800 005 Bihar	21.48	36
2383	Machine learning based agriculture advent for farmer activity development in India: An application approach	DST-SERB-EMEQ	Ramesh,D., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	20.47	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2384	Mechanistic investigation in Sono-Fenton/Peroxyacid system for oxidative desulfurization of crude oil	DST-SERB-EMEQ	Bhasarkar,J.B., Dr. (M) Assistant Professor Rashtrasant Tukadoji Maharaj Nagpur University Civil Lines Nagpur - 440 001 Maharashtra	10.93	36
2385	Modeling of wear in radial hydraulic turbine	DST-SERB-EMEQ	Sarkar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	36.12	36
2386	Monitoring & analysis of Non-point source (Nps) pollutants in an agricultural watershed using Soil water assessment tool (Swat)	DST-SERB-EMEQ	Reshma,T., Dr. (F) Assistant Professor National Institute of Technology (Andhra Pradesh) Tadepalligudem Godavari - 534 101 Andhra Pradesh	31.88	36
2387	Multi-output series resonant inverter for noncontact heating in rural domestic cooking applications	DST-SERB-EMEQ	Bhaskar,D.V., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	15.18	36
2388	Nano-finishing of complex 3-D printed metal & ceramic components using polymer Rheological abrasive medium	DST-SERB-EMEQ	Sankar,M.R., Prof. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post, Settipalli Tirupati - 517 506 Andhra Pradesh	44.40	36
2389	On-chip silicon photonic switches for high performance computing and datacenter networks	DST-SERB-EMEQ	Chack,D., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	20.35	36
2390	Optimal solution evaluation	DST-SERB-EMEQ	Biswas,A., Dr. (M) Assistant Professor Grade II National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	23.37	36
2391	Organic rankine cycle system for small-scale power generation using solar energy assisted with PCM based thermal energy storage	DST-SERB-EMEQ	Gumtapure,V., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) NH 66, Srinivasnagar Surathkal - 575 025 Karnataka	35.74	36
2392	Parallel & distributed attribute reduction of large data sets based on rough set theory & evolutionary Algorithms	DST-SERB-EMEQ	Chebrolu,S., Dr. (F) Assistant Professor National Institute of Technology (Andhra Pradesh) Tadepalligudem Godavari - 534 101 Andhra Pradesh	27.05	36
2393	Parametric evaluation of Vertical axis wind turbine (Vawt) for low wind speed terrain	DST-SERB-EMEQ	Bagade,P.M., Dr. (M) Professor Padmabhooshan Vasantdada Patil Institute of Technology Sr. No. 33/22, Off Paud Road, Near Chandani Chowk Pune - 411 021 Maharashtra	25.24	36
2394	Production of gasoline-range aromatics & hydrogen-enriched fuel gas from non-edible/waste cooking oils over engineered hierarchical nano zeolites	DST-SERB-EMEQ	Sarkar,B., Dr. (M) Scientist CSIR-Indian Institute of Petroleum Mohkampur Dehradun - 248 005 Uttarakhand	48.80	36
2395	Reactive synthesis of Max phase materials at moderate pressure & temperature & their mechanical properties evaluation	DST-SERB-EMEQ	Rangaraj,L., Dr. (M) Senior Principal Scientist CSIR-National Aerospace Laboratories Pb 1779, Hal Airport Road Bengaluru - 560 017 Karnataka	36.29	36
2396	Robot Operating System (ROS) based reconfigurable flight control module design for multirolor drones	DST-SERB-EMEQ	Naskar,A.K., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	23.86	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2397	Slope stability monitoring & analysis using hyperspectral imaging	DST-SERB-EMEQ	Verma,T., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	47.11	36
2398	Software defined controlled and dynamic traffic load balanced scheduling framework for IoT enabled Intelligent transportation system (Its)	DST-SERB-EMEQ	Kumar,N., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	32.78	36
2399	Study on high speed formability of welded blanks of aluminum joined by different welding methods	DST-SERB-EMEQ	Doley,J.K., Dr. (M) Scientist CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	52.60	36
2400	Study on production, storage & utilization of biosyngas as clean fuel for spark ignition engine	DST-SERB-EMEQ	Salvi,B.L., Dr. (M) Assistant Professor College of Technology & Engineering Udaipur - 313 001 Rajasthan	43.20	36
2401	Tailoring of 3D printable hybrid polymer electrolyte with enhanced thermal stability for high-performance Lithium-Ion batteries	DST-SERB-EMEQ	Ravibabu,V., Dr. (M) Scientist CSIR-Central Electrochemical Research Institute College Road Karaikudi - 630 006 Tamil Nadu	42.03	36
2402	Ultrasonic microreactor for production of nanomicro particles of poorly water soluble Active pharmaceutical ingredients (Api)	DST-SERB-EMEQ	Patel,S.R., Dr. (M) Assistant Professor Sardar Vallabhbhai National Institute of Technology Ichchhanath Surat - 395 007 Gujarat	51.42	36
2403	Wear, corrosion & biocompatibility of Tantalum (Ta) coated 316 L stainless steel for orthopedic applications	DST-SERB-EMEQ	Behera,C.K., Dr. (M) Associate Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	44.93	36
2404	A computational approach for performance assessment of a reflux classifier in coal preparation	DST-SERB-IRRD	Atta,A., Dr. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	20.35	36
2405	Design & development of CO <sub>2</sub> based secondary loop systems for cold storage applications	DST-SERB-IRRD	Ramgopal,M., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	16.37	36
2406	Microstructural engineering for improved hole expansion ratio in dual phase steel	DST-SERB-IRRD	Samajdar,I., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	49.43	36
2407	Synthesis & characterization of high strength manganese bronzes with silicon additions	DST-SERB-IRRD	Keshavarmurthy,R., Dr. (M) Professor Dayananda Sagar College of Engineering Bengaluru - 560 078 Karnataka	16.61	36
2408	A combined effect of complexation behavior of biopolymers & self-assembly behavior of Oppositely charged particles (Ocps) to influence the stabilization of Water-in-Water (W/W) pickering emulsion	DST-SERB-SRG	Sabapathy,M., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	31.78	24
2409	A feasibility study & hardware framework for photoplethysmogram based non-invasive blood parameter monitoring system using near infrared spectroscopy & machine learning techniques	DST-SERB-SRG	Reddy,S., Dr. (F) Assistant Professor BVRIT Hyderabad College of Engineering for Women 8-5/4 Bachupally, Nizampet Road Hyderabad - 500 090 Telangana	18.30	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2410	A feasibility study on aquifer storage of water by artificial recharge in & around Punjab region, India	DST-SERB-SRG	Ganguly,S., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussinpur Rupnagar - 140 001 Punjab	32.49	29
2411	A high accuracy digitizer for calibration of instrument transformers	DST-SERB-SRG	Vooka,P., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	28.38	24
2412	A novel master composite approach to fabricate A356 metal matrix nanocomposites by semi-solid processing	DST-SERB-SRG	Machavallavan,N.C., Dr. (M) Assistant Professor P.S.G. College of Technology Avinashi Road, Peelamedu Coimbatore - 641 004 Tamil Nadu	29.26	29
2413	A polymorphic polynomial chaos approach towards stochastic design optimization of integrated circuits in the presence of epistemic & aleatory variables	DST-SERB-SRG	Roy,S., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	20.22	24
2414	A study of blast wave impact on helmet-head assembly to mitigate traumatic brain injury	DST-SERB-SRG	Ponnalagu,A., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	29.44	24
2415	Adaptive cell scheduling function of 6tisch network for efficient data communication in industrial internet of things	DST-SERB-SRG	Khatua,M., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	20.50	24
2416	Addressing memory requirement challenges of graph processing on general-purpose processors & accelerators	DST-SERB-SRG	Tavva,V., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	22.93	29
2417	An effective technique to detect Pv array faults & predict the lifetime of Pv modules in a commercial Pv plant	DST-SERB-SRG	Chakkarapani,M., Dr. (M) Sr. Assistant Professor Madanapalle Institute of Technology & Science Post Box No. 14, Angallu, Madanapalle Chittoor - 517 325 Andhra Pradesh	16.35	24
2418	An experimental & theoretical investigation of the combustion kinetics of lemon peel oil - A novel potential biofuel for jet engines - in a premixed laminar flame	DST-SERB-SRG	Banerjee,S., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	26.21	24
2419	Analytical & experimental investigation on frequency dependent linear control Algorithm for performance enhancement of real life civil structures under random excitation	DST-SERB-SRG	Chakraborty,S., Dr. (F) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	21.56	24
2420	Anisotropy & Sgs models in les of high-magnetic reynolds number Mhd turbulence	DST-SERB-SRG	Chandy,A.J., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	21.97	24
2421	Application of nanoparticles in Esp for inactivation of microorganisms & degradation of Vocs for air purification	DST-SERB-SRG	Sahu,M., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	29.55	24
2422	Aqueous-phase mild oxidation of methane to methanol on atomically dispersed catalysts: Mechanistic insights & solvent effects from first principles	DST-SERB-SRG	Varghese,J., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	32.89	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2423	Assessment of mixed-matrix membrane system for CO <sub>2</sub> separation for upgradation of biogas to bio-compressed natural gas (Bio-Cng)	DST-SERB-SRG	Kuncharam,B., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	24.47	24
2424	Assistive learning device for children with hearing loss	DST-SERB-SRG	Patel,V., Dr. (M) Assistant Professor Atal Bihari Vajpayee-Indian Institute of Information Technology & Management Morena Link Road Gwalior - 474 015 Madhya Pradesh	10.77	24
2425	Automated detection and classification of traumatic brain injuries in head CT images	DST-SERB-SRG	Gorthi,S.V., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	24.24	24
2426	Battery-free chemical-sensor interfaced Radiofrequency identification (Rfid) tag for improved food safety & quality & waste reduction in the Indian food supply chain	DST-SERB-SRG	Bhunja,K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.55	24
2427	Bayesian deep models for efficient privacy-aware learning in the era of big data & personalization	DST-SERB-SRG	Das,M.K., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	17.81	24
2428	Benchmarking of disinfection by-products in drinking water supply system: Assessment, modeling and in-situ control measures	DST-SERB-SRG	Ghosal,P.S., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	28.88	24
2429	Coexistence of Lte-unlicensed & Wi-Fi: Theory & practice	DST-SERB-SRG	Naveen,K.P., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	18.56	24
2430	Combining information & Queuing theory for emerging applications	DST-SERB-SRG	Chatterjee,A., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	20.16	24
2431	Compact modeling for quasi-ballistic transport in Gaa mosfet & design of radiation hardened Sram array	DST-SERB-SRG	Kaushal,G., Dr. (M) Assistant Professor Atal Bihari Vajpayee-Indian Institute of Information Technology & Management Morena Link Road Gwalior - 474 015 Madhya Pradesh	28.21	24
2432	Complexity dichotomies for graph modification problems	DST-SERB-SRG	Sandeep,R.B., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	12.23	24
2433	Compositional engineering of A-site cations in hybrid perovskites for solar cell applications	DST-SERB-SRG	Singh,T., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	29.48	29
2434	Control of instabilities in Jeffcott rotor	DST-SERB-SRG	Saha,A., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Calicut Mulkam Road, Kattangal Kozhikode - 673 601 Kerala	23.43	27
2435	Cooperative nonlinear guidance strategies for simultaneous interception with finite-time convergence	DST-SERB-SRG	Kumar,S.R., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	18.60	24

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2436	Decentralized domestic wastewater treatment of small communities using multistage constructed wetlands	DST-SERB-SRG	Ray,S., Dr. (M) Scientist CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar - 364 002 Gujarat	16.99	24
2437	Deep learning & reinforcement learning: New Algorithms with improved interpretability, scalability, reliability & efficiency	DST-SERB-SRG	Lakshminarayanan,C., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	15.66	24
2438	Deep learning Algorithms for molecular structural data analysis with applications in drug discovery & bioinformatics	DST-SERB-SRG	Yeturu,K., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	19.18	24
2439	Deep neural architecture for multimodal & multilingual sign language translation & recognition	DST-SERB-SRG	Elakkiya,R., Dr. (M) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	14.51	24
2440	Design & analysis of modern communication networks using stochastic geometry for molecular communication & beyond-5g systems	DST-SERB-SRG	Gupta,A.K., Prof. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	22.03	24
2441	Design & development of 4d printing for fabrication of multi-material & multi-functionality	DST-SERB-SRG	Somashekara,M., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Walmi Campus, Belur Industrial Area, P.B. Road Dhanwad - 580 011 Karnataka	29.19	24
2442	Design & development of a composite heat sink based battery thermal management system for Indian electric vehicle industry	DST-SERB-SRG	Chanda,S., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	30.70	29
2443	Design & development of a hybrid Dc bus power supply with the high voltage ride through capability & the high fault tolerance	DST-SERB-SRG	Wandhare,R.G., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	29.52	24
2444	Design & development of an expert system for updating rainfall intensity-duration-frequency curves under climate change & non-stationarity	DST-SERB-SRG	Agilan,V., Dr. (M) Assistant Professor Grade II National Institute of Technology (Calicut) Calicut Makkam Road, Kattangal Kozhikode - 673 601 Kerala	18.62	24
2445	Design & development of Cnt reinforced ceramic composite scaffold by additive manufacturing technique for bone tissue regeneration	DST-SERB-SRG	Elsen,R.S., Dr. (M) Associate Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	31.15	24
2446	Design & development of cost-effective compact millimeter-wave antennas for 5g wireless communication	DST-SERB-SRG	Ghosh,S., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	32.98	24
2447	Design & development of fast charging next-generation battery system & its advanced electronic diagnostics	DST-SERB-SRG	Kalluri,S., Dr. (M) Assistant Professor S.R.M. University Ap Mangalagiri Neerukonda Tadikonda Road, Mandal Guntur - 522 502 Andhra Pradesh	29.58	29
2448	Design & development of innovative Structural health monitoring (Shm) system using embedded piezo based active sensing approach for delamination detection in multi-layer composite structures	DST-SERB-SRG	Patil,D.G., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH-17b Bypass Road, Sancoale Zuarinagar - 403 726 Goa	28.84	24



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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2449	Design & development of lightweight & crashworthy hierarchical materials & structures	DST-SERB-SRG	Budarapu,P.R., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul Jatni - 752 050 Odisha	29.63	29
2450	Design & development of passive underwater surveillance system for complex environment condition	DST-SERB-SRG	Subudhi,B.N., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	22.16	24
2451	Design & development of soft interconnect for Dc microgrids using power electronics interface for improved reliability of power supply	DST-SERB-SRG	Kumar,A., Dr. (M) Assistant Professor National Institute of Technology (Silchar) Fakiratilla Silchar - 788 010 Assam	29.08	24
2452	Design & development of Substrate integrated waveguide (Siw) & Empty Siw (Esiw) based Rf-microwave components	DST-SERB-SRG	Khan,A.A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH-65, Surpura Bypass Road, Karwar Jodhpur - 342 037 Rajasthan	25.43	24
2453	Design & implementation of efficient detection techniques for index modulated massive mimo systems	DST-SERB-SRG	Mandloi,M., Dr. (M) Assistant Professor Narsee Monjee Institute of Management Studies MPTP Campus, Tapi River Bank, District Shirpur Dhule - 425 405 Maharashtra	18.40	24
2454	Design & manufacturing of miniature Kolsky bar or Split hopkinson pressure bar (Shpb) setup to characterize the very high strain rate deformation behavior of metals	DST-SERB-SRG	Korimilli,E., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	30.91	24
2455	Design characerization & fabrication of a free flow water wheel with high efficiency for electricity generation in remote hilly area	DST-SERB-SRG	Doley,J.K., Dr. (M) Scientist CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	29.96	24
2456	Design of high isolation integrated mixer for Mm-wave	DST-SERB-SRG	Bhatt,D.K., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	29.72	24
2457	Design of new anodes for biogas fuelled protonic ceramic fuel cells	DST-SERB-SRG	Nasani,N., Dr. (M) Scientist Centre for Materials for Electronics Technology (C-MET) Panchawati, Off Pashan Road Pune - 411 008 Maharashtra	30.03	24
2458	Design of single-band & dual-band transmission-type linear to circular polarization converter	DST-SERB-SRG	Saurav,K., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	28.25	24
2459	Design, characterization & fabrication of micro lens array for 3d light field imaging	DST-SERB-SRG	Maikandavel,V., Dr. (M) Res. Assistant Professor S.R.M. Institute of Science & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	27.90	24
2460	Designing nanostructures for hierarchical phonon scattering in zinc oxide for thermoelectric energy generation	DST-SERB-SRG	Tewari,A., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	20.96	29
2461	Designing novel 2d magnetic storage devices using Van Der Waals heterostructures	DST-SERB-SRG	Ravikumar,A., Dr. (M) Assistant Professor Amrita School of Engineering Kasavanahalli, Carmelaram Bengaluru - 560 035 Karnataka	30.22	24

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Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2462	Designing of potential adsorbents via molecular modeling & simulations for the high temperature carbon dioxide capture	DST-SERB-SRG	Sengupta,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	21.95	24
2463	Designing origami-based metamaterials with low frequency elastic bandgaps	DST-SERB-SRG	Pratapa,P.P., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	32.54	24
2464	Detection of vehicle for intelligent traffic management system	DST-SERB-SRG	Anandhalli,M.H., Dr. (M) Associate Professor K.L.S. Gogte Institute of Technology Jnana Ganga, Udyambag Belagavi - 590 006 Karnataka	15.72	24
2465	Developing physics guided super-resolution approach and evaluation strategies for downscaling earth system model outputs	DST-SERB-SRG	Bhatia,U., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	22.11	24
2466	Development & application of multiscale modeling for complex biological systems & drug design	DST-SERB-SRG	Sokkar,P., Dr. (M) Assistant Professor Chettinad Academy of Research & Education Padur, Kelambakkam, State Highway 121 Chennai - 603 103 Tamil Nadu	21.01	24
2467	Development & augmentation of the industry standard Asm-Gan-Hemt model for state-of-the-art integrated circuit design	DST-SERB-SRG	Ahsan,S.A., Dr. (M) Assistant Professor National Institute of Technology (Srinagar) Hazaratbal Srinagar - 190 006 Jammu & Kashmir	30.59	24
2468	Development & mechanical characterization of the microwave assisted biomedical coatings on stainless steel	DST-SERB-SRG	Bansal,A., Dr. (M) Assistant Professor I.K. Gujral Punjab Technical University Near Pushpa Gujral Science City, Ibban Kapurthala - 144 603 Punjab	29.80	24
2469	Development of a comprehensive methodology to improve road traffic safety in Indian urban roadways based on advanced statistical techniques	DST-SERB-SRG	Majumdar,B.B., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Shmirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	11.40	24
2470	Development of a pellet & filament form integrated multi-material co-extruder system for improved additive manufacturing process	DST-SERB-SRG	Taufik,M., Dr. (M) Assistant Professor Maulana Azad National Institute of Technology (Bhopal) Link Road Number 3, Harshvardhan Nagar Bhopal - 462 066 Madhya Pradesh	17.64	24
2471	Development of a scanning probe tool for micro & nano-scale patterning	DST-SERB-SRG	Talukder,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhauri Bhopal - 462 066 Madhya Pradesh	31.12	24
2472	Development of an indigenous tool for the enhancement of medical images using deep neural networks	DST-SERB-SRG	Sudeep,P.V., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Calicut Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	29.35	24
2473	Development of carbon based force sensors for artificial intelligence & biomedical applications	DST-SERB-SRG	Elizabeth,I., Dr. (F) Scientist CSIR-National Aerospace Laboratories Post Box No. 1779, Kodihalli Bengaluru - 560 017 Karnataka	29.97	24
2474	Development of contactless vital sign monitoring system using Ppg based on smartphone camera	DST-SERB-SRG	Sharma,H., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	15.03	29

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2475	Development of cost-effective, low-power, flexible non-volatile memory devices using nano-crossbar arrays organic resistive switching memories (Flex-Orram)	DST-SERB-SRG	Panda,D., Dr. (M) Associate Professor National Institute of Science & Technology Institute Park, Pallur Hills. Golanthara Berhampur - 761 008 Odisha	27.54	24
2476	Development of direct current hybrid circuit breaker for Dc grid applications	DST-SERB-SRG	Banavath,S.N., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	31.77	24
2477	Development of electrospun membranes with graded hydrophobicity for membrane distillation	DST-SERB-SRG	Kaleekkal,N.J., Dr. (M) Assistant Professor National Institute of Technology (Calicut) Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	26.44	24
2478	Development of fabrication feasible Perc solar cells for more than 23% conversion efficiencies using the process & device simulations	DST-SERB-SRG	Pandey,R., Dr. (M) Assistant Professor Chitkara University NH-64, Village Jhansla Rajpura - 140 401 Punjab	24.26	24
2479	Development of flexible environmental gas sensor based on 2d MoS <sub>2</sub> nanosheets	DST-SERB-SRG	Ranwa,S., Dr. (F) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	26.07	24
2480	Development of High compression ratio (Hcr) Ci engine fuelled with second generation bio-ethanol	DST-SERB-SRG	Shukla,P.C., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) Gec Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	21.38	29
2481	Development of hybrid smart grid communication network for last mile connectivity: A D2d & Plc approach	DST-SERB-SRG	Dash,S.P., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	29.32	24
2482	Development of multi-operational microwave heating setup for the near net shape material processing	DST-SERB-SRG	Singh,H., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Pandit Dwarka Prasad Mishra, Dumna Airport Road Jabalpur - 482 005 Madhya Pradesh	22.04	29
2483	Development of Photo-triboelectric nanogenerator (Pteng) for sustainable green energy harvesting from mechanical motion & solar energy	DST-SERB-SRG	Goswami,A., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	31.88	24
2484	Development of reliable & efficient utility scale photovoltaic inverter for Indian environment	DST-SERB-SRG	Chattopadhyay,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	32.41	24
2485	Development of signal processing framework for uplink/downlink of multi-cell multi-user massive Mimo-Fbmc-Oqam based 5g communication system	DST-SERB-SRG	Mishra,H.B., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Sardar Patel Nagar Dhanbad - 826 004 Jharkhand	13.02	27
2486	Development of simulation software for spintronic device & circuit simulation	DST-SERB-SRG	Verma,S., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	16.14	24
2487	Development of sustainable pressure sensitive adhesives from bio-sourced pre-polymers: A green alternative for semi-structural applications	DST-SERB-SRG	Sahoo,S.K., Dr. (M) Scientist CSIR-National Institute for Interdisciplinary Science & Technology P.O. Industrial Estate, Pappanamcode Thiruvananthapuram - 695 019 Kerala	23.05	30

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2488	Dual voltage source inverter based dstatcom for microgrid application	DST-SERB-SRG	Mangaraj,M., Dr. (M) Assistant Professor Lendi Institute of Engineering & Technology Vizag-Viziangaram Road, NH-43, Denkada Mandal, Jonnada Vizianagaram - 535 005 Andhra Pradesh	15.62	24
2489	Effective anti-icing strategies for power transmission cables & pipelines using macro structured superhydrophobicity	DST-SERB-SRG	Harikrishnan,A.R., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	30.17	24
2490	Efficient high-lift turbine blade designs exploiting the surface roughness: Experimental & numerical campaign	DST-SERB-SRG	Vadlamani,N.R., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	32.40	24
2491	Electricity assisted synthesis of long chain fatty acids in a novel hybrid Df-Mes reactor from organic waste	DST-SERB-SRG	Chatterjee,P., Dr. (F) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	25.56	24
2492	Electrochemical conversion of flue gas into hydrocarbon fuel in solid oxide cells	DST-SERB-SRG	Kumari,N., Dr. (F) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	32.16	24
2493	Elevated temperature tribological & oxidation behavior of HVOF sprayed conicresimo/fly ash coatings	DST-SERB-SRG	Mathapati,M.K., Dr. (M) Assistant Professor K.L.E. College of Engineering & Technology Banantikodi Cross, Chikodi Belagavi - 591 201 Karnataka	24.62	24
2494	Encapsulation of bioactive compound through extrusion process to develop ready-to-eat functional snacks	DST-SERB-SRG	Singh,S.K., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	28.71	29
2495	Energy-efficient nanoelectronics using giant spin-orbit materials	DST-SERB-SRG	Roy,K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhauri Bhopal - 462 066 Madhya Pradesh	31.32	24
2496	Engineering of high performance signal processing elements for real time infrastructure	DST-SERB-SRG	Basiri,M.A., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Dinnedevarapadu Grama Panchayat Kurnool - 518 007 Andhra Pradesh	27.99	24
2497	Enhancement of mixing & entrainment in two layer shear flow by employing rotary rollers	DST-SERB-SRG	Rana,B.K., Dr. (M) Assistant Professor Kalinga Institute of Industrial Technology University Patia Bhubaneswar - 751 024 Odisha	16.71	29
2498	Epidemic control on complex networks	DST-SERB-SRG	Kandhway,K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhauri Bhopal - 462 066 Madhya Pradesh	18.19	24
2499	Estimation of high spatiotemporal land surface temperature using multi-sensor approach over India	DST-SERB-SRG	Rajasekaran,E., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	24.14	24

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2500	Evolution & influence of coherent structures on entrainment in a transient diabatic plume - implications for cumulus cloud flows	DST-SERB-SRG	Rao,S., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	10.38	29
2501	Experimental & modeling study of biomass conversion in different reactive media in packed bed gasification process	DST-SERB-SRG	Kumar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	28.59	24
2502	Experimental & numerical investigation into the longitudinal compressive failure of carbon fibre reinforced composites	DST-SERB-SRG	Mukhopadhyay,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	30.37	24
2503	Experimental & numerical studies of fracture in nanoglasses	DST-SERB-SRG	Singh,I., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	31.18	24
2504	Experimental investigation of thermal cracking due to rewetting phenomena during metal quenching process	DST-SERB-SRG	Nallathambi,A.K., Dr. (M) Assistant Professor National Institute of Technology (Tiruchirappalli) Tanjore Main Road, National Highway 67 Tiruchirappalli - 620 015 Tamil Nadu	30.51	24
2505	Experimental investigation on stability of impregnated fluid phase at complex multiphase interface of fluid impregnated surface	DST-SERB-SRG	Das,A., Dr. (M) Assistant Professor Indian Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	30.90	24
2506	Exploring an alternate route to geostrophic turbulence through instability	DST-SERB-SRG	Joshi,P.R., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	30.79	29
2507	Fabrication of carbon soot based reusable and robust nanofiber membranes for effective oil-water separation	DST-SERB-SRG	Kakunuri,M., Dr. (M) Assistant Professor National Institute of Technology (Warangal) Fathimanagar Warangal - 506 004 Telangana	27.09	29
2508	Fabrication of mechanically robust bio-inspired Bouligand cellulose nanocrystals-based nanocomposites via self-assembly & their engineering applications	DST-SERB-SRG	Das,P., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Indore Bypass Road, Bhauri Bhopal - 462 066 Madhya Pradesh	27.20	29
2509	Failure envelopes generation for uni-directional composite plies/laminates using micro-scale strain & damage analysis: An experimental & numerical study	DST-SERB-SRG	Daggumati,S., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	26.05	24
2510	Fair & explainable artificial intelligence	DST-SERB-SRG	Das,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	31.94	24
2511	Fatigue behavior of friction stir welded dissimilar (austenitic stainless steel - aluminum) joints in a hydrogen atmosphere	DST-SERB-SRG	Murugesan,J., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	28.71	24
2512	Ferrofluid actuated liquid dispenser for wearable microfluidic drug delivery system	DST-SERB-SRG	Sarkar,S., Dr. (M) Associate Professor Jadavpur University 188, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	21.66	29

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2513	Fiber laser based surface texturing of aluminum - Mg alloy for adhesion improvement	DST-SERB-SRG	Prakash,S., Dr. (M) Assistant Professor Netaji Subhas University of Technology Sector-3, Dwarka New Delhi - 110 078 Delhi	23.30	26
2514	Flash sintering of oxide ceramics: Effect of electrical parameters on densification mechanism, microstructure & mechanical properties	DST-SERB-SRG	Yadav,D., Dr. (M) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 106 Bihar	31.88	24
2515	Flying ad hoc network for disaster rescue operations	DST-SERB-SRG	Dhongdi,S.C., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH 17b Bypass Road, Sancoale Zuarinagar - 403 726 Goa	21.56	29
2516	Food safety & quality analysis on flexible nanostructured substrates by surface enhanced Raman Spectroscopy	DST-SERB-SRG	Jayram,N.D., Dr. (M) Assistant Professor Kalasalingam Academy of Research & Education Anand Nagar, Krishnan Kovil, Srivilliputtur Virudhunagar - 626 128 Tamil Nadu	32.01	24
2517	Functional characterization of plasmodium falciparum ion transporters prokaryotic in origin for drug development against malaria	DST-SERB-SRG	Gupta,A., Dr. (M) Assistant Professor All India Institute of Medical Sciences Munshiganj, Dalmou Road Rae Bareilly - 229 405 Uttar Pradesh	31.63	27
2518	Go with the flow! Practical hardware support for efficient concurrency analyses	DST-SERB-SRG	Biswas,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	8.25	24
2519	Harvesting energy from underwater ocean currents through coupled vortex-induced vibration, flapping dynamics, electromagnetic induction & piezoelectric effects	DST-SERB-SRG	Gurugubellivenkata,P., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	27.35	24
2520	Hierarchical shape selective Cu nanoparticles on titania nanotube arrays for selective electrochemical reduction of Co2 to C2 products	DST-SERB-SRG	Keerthiga,G., Dr. (F) Assistant Professor S.R.M. Institute of Science & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	19.47	24
2521	High-altitude platform station based hybrid Fso/Rf communication for future satellite communication systems	DST-SERB-SRG	Swaminathan,R., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 453 552 Madhya Pradesh	14.00	29
2522	Hybrid cascaded diode clamped multilevel converter for efficient on/off grid connected renewable energy system addressing the problem of power mismatch conditions	DST-SERB-SRG	Nakka,J., Dr. (M) Assistant Professor National Institute of Technology (Andhra Pradesh) West Godavari Tadepalligudem - 534 101 Andhra Pradesh	29.69	24
2523	Hybrid scaffold manufacturing using surface modification of 3d-printed hydrophobic scaffolds	DST-SERB-SRG	Nanda,H.S., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Pandit Dwarka Prashra, Dumna Airport Road Jabalpur - 482 005 Madhya Pradesh	23.25	26
2524	Hydrological drought co-incidence risk analysis over large river basins in India	DST-SERB-SRG	Ganguli,P., Dr. (F) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	17.97	29
2525	Impact of lateral straggle on the logic gates, Sram, & ring oscillator in Silicon on insulator (Soi) tunnel fet	DST-SERB-SRG	Saha,R., Dr. (M) Associate Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	23.08	28

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2526	Impact of nanoinclusions & grain boundaries on thermoelectric materials	DST-SERB-SRG	Singh,A.K., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	27.43	24
2527	Information processing & learning over graphs & irregular domains	DST-SERB-SRG	Chepuri,S.P., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	23.40	26
2528	Integrated design of fixed-frequency current-mode hysteretic controlled Dc-Dc buck converter with fast transient response and improved load regulation for Application processors (Aps)	DST-SERB-SRG	Maity,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	32.49	29
2529	Integrated magnetoelectric energy harvesting & wireless power transfer devices for wearable & implantable applications	DST-SERB-SRG	Mallick,D., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	32.97	24
2530	Intensified continuous crystallizer for Apis: Design & development	DST-SERB-SRG	Vedantam,S., Dr. (F) Principal Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 007 Telangana	24.78	24
2531	Interpretation of tuberculin reaction using medical photography & computer aided diagnosis	DST-SERB-SRG	Christopher,J., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet Keesara Road, Jawahar Nagar Hyderabad - 500 078 Telangana	9.94	24
2532	Investigation on methods to improve transient response of microgrids using virtual inertia mechanisms for seamless synchronization with utility grid	DST-SERB-SRG	Yellapragada,V., Dr. (M) Associate Professor Vellore Institute of Technology University G-30, Inavolu (V), Beside AP Secretariat Amaravati - 522 237 Andhra Pradesh	32.82	24
2533	Investigations into bio-ceramic based poly (D, L-Lactide) composite scaffolds using stereo lithography	DST-SERB-SRG	Sharma,V., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	26.06	29
2534	Investigations of chugging phenomenon in direct contact condensation towards mitigation of the pressure amplitude & oscillations	DST-SERB-SRG	Kumar,P., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) Vpo Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	30.88	25
2535	Investigations on the unsteady dynamics of 3-dimensional shock induced separation	DST-SERB-SRG	Rengarajan,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	28.65	24
2536	lot enabled, 2-D nanomaterial leaf wetness micro-sensor on flexible substrate for integrated plant disease management	DST-SERB-SRG	Palaparthi,V.S., Prof. (M) Assistant Professor Dhirubhai Ambani Institute of Information Communication Technology Post Box No. 4 Gandhinagar - 382 007 Gujarat	18.13	18
2537	Kinematics & rheology of granular flow in a multi-outlet silo	DST-SERB-SRG	Bhateja,A., Dr. (M) Assistant Professor Indian Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	32.14	29
2538	Linkage of large scale ocean-atmospheric phenomena on hydroclimatic extremes in India	DST-SERB-SRG	Singh,S., Dr. (F) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	19.73	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2539	Low voltage Mems actuation using negative capacitance	DST-SERB-SRG	Ajoy,A., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	27.74	24
2540	Machine learning techniques for resource allocation in cell-free massive mimo communications	DST-SERB-SRG	Zafaruddin,S.M., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	18.48	24
2541	Microfluidics sperm cell sorting device: Addressing male infertility factor	DST-SERB-SRG	Tripathi,S., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH17B Bypass Road, Sancoale Zuarinagar - 403 726 Goa	27.41	29
2542	Micro-plasma transistor for high temperature application	DST-SERB-SRG	Chappanda,K., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	25.63	24
2543	Mitigation of weldability issues & residual stresses in dissimilar welded joints of ultra-supercritical power plants	DST-SERB-SRG	Pandey,C., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	25.27	27
2544	Mobility aware spectrum handoff schemes under Heterogeneous spectrum environment (Hetse) in Cognitive radio (Cr) cellular network: Modeling & simulation	DST-SERB-SRG	Hoque,S., Dr. (M) Sr. Assistant Professor Madanapalle Institute of Technology & Science Post Box No. 14, Angallu, Madanapalle Chittoor - 517 325 Andhra Pradesh	13.73	29
2545	Modeling, simulation and fabrication of MgZnO/ZnO heterostructures for biosensor application	DST-SERB-SRG	Singh,R., Dr. (M) Assistant Professor Shiv Nadar University Village Chithera, Tehsil Dadri Noida - 201 314 Uttar Pradesh	25.89	24
2546	Multi-functional optically-sensitive devices with high efficiencies using perovskites	DST-SERB-SRG	Padmanabhan,R., Dr. (F) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	30.88	24
2547	Mut-droco: Multipath networking test-bed for drone communications	DST-SERB-SRG	Saxena,P., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	16.61	24
2548	Nanocavity-in-body tunnel field effect transistor architectures for low power sensing applications	DST-SERB-SRG	Goswami,R., Dr. (M) Assistant Professor Tezpur University Napaam Tezpur - 784 028 Assam	10.49	29
2549	Numerical & experimental investigation on nonlinear vibroacoustic response of laminated composite & functionally graded material shell panel under hygrothermal environment	DST-SERB-SRG	Mahapatra,T.R., Dr. (M) Associate Professor Veer Surendra Sai University of Technology P.O. Burla Engineering College Burla - 768 018 Odisha	32.67	24
2550	Online optimization models for tolling highway lanes	DST-SERB-SRG	Rambha,T., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	30.35	24



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2551	Optimal design & development of machine learning model for remote monitoring & control of hybrid microgrid in educational institutions using smart sensor network and lot	DST-SERB-SRG	Drusilanesamalar,J.J., Dr. (F) Assistant Professor Kamaraj College of Engineering & Technology S.P.G.C.Nagar, Post Box No. 12 Virudhunagar - 625 701 Tamil Nadu	28.64	24
2552	Optimization of low cost lab-on-chip platforms for the development of biomedical applications	DST-SERB-SRG	Prakash,M.D., Dr. (M) Associate Professor V.R. Siddhartha Engineering College Chalasani Nagar, Kanuru Vijayawada - 520 007 Andhra Pradesh	23.44	24
2553	Performance evaluation & optimization of Uav-enabled cellular communications	DST-SERB-SRG	Sharma,P.K., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Sector 1 Rourkela - 769 008 Odisha	13.51	29
2554	Physico-mechanical response of rocks under varied thermal environments	DST-SERB-SRG	Sirdesai,N.N., Dr. (M) Assistant Professor Visvesvaraya National Institute of Technology (Nagpur) South Ambazari Road Nagpur - 440 010 Maharashtra	31.46	24
2555	Physics-based digital twin for automotive brakes	DST-SERB-SRG	Sundar,S., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	32.67	24
2556	Predicting & preventing aeroelastic flutter using the concepts of synchronization & amplitude death	DST-SERB-SRG	Jagadish,V., Dr. (M) Assistant Professor Shiv Nadar University Village Chithera, Tehsil Dadri Noida - 201 314 Uttar Pradesh	18.83	24
2557	Production of a nanocomposite sealant from aquatic-derived waste materials	DST-SERB-SRG	Maliyekkal,S.M., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post Settipalli Tirupati - 517 506 Andhra Pradesh	31.01	24
2558	Proximal femoral locking plates (Pflp): Biomechanical exploration of design variants for North eastern (Ne) population	DST-SERB-SRG	Chanda,S., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	22.97	24
2559	Quadratic boost converter based multi-input power converter interface for renewable applications	DST-SERB-SRG	Ray,O., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 024 Odisha	29.80	24
2560	Quasicontinuum method for amorphous materials	DST-SERB-SRG	Ramabathiran,A.A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	11.80	24
2561	Rational design of non-stoichiometric transition metal compounds	DST-SERB-SRG	Yadav,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	17.64	24
2562	Real time monitoring & control of cooling rates in laser based additive manufacturing for ensuring microstructural homogeneity, controlling dimensional accuracy, micro-cracks and delamination & investigating their effects on the mechanical properties..	DST-SERB-SRG	Gopinath,M., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	30.84	24
2563	Resolving airfoil self-noise mechanism using diagnostic acoustic imaging tool	DST-SERB-SRG	Mimani,A., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	29.94	24

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2564	Rfid based wireless sensors for surface crack monitoring	DST-SERB-SRG	Chakaravarthi,G., Dr. (F) Assistant Professor National Institute of Technology (Tiruchirappalli) Tanjore Main Road, National Highway 67 Tiruchirappalli - 620 015 Tamil Nadu	27.07	24
2565	Robust person re-identification with operator feedback & cross-camera appearance transfer	DST-SERB-SRG	Chakraborty,A., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	22.36	24
2566	Sat Z'piezos: Scandium doped Aln thin films for zero-power piezoelectric sensors	DST-SERB-SRG	Kodihalli,N.K., Dr. (M) Assistant Professor Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	32.06	24
2567	Seciot: An integrated framework for comprehensive security & forensic analysis of lot-based smart home & healthcare devices & wearables	DST-SERB-SRG	Ghosh,N., Dr. (M) Assistant Professor Indian Institute of Engineering Science & Technology Botanic Garden Howrah - 711 103 West Bengal	16.66	24
2568	Self-propulsion of a surfactant-like particle with an active head	DST-SERB-SRG	Dugyala,V.R., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhauri Bhopal - 462 066 Madhya Pradesh	26.85	24
2569	Self-regenerated cost-effective droplet based continuous Pcr	DST-SERB-SRG	Chakraborty,M., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	33.00	24
2570	Sensorless control of switched reluctance motor drives for electric vehicle applications	DST-SERB-SRG	Teja,A.R., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	26.20	29
2571	Shape optimization of optical structures	DST-SERB-SRG	Nair,V.S., Dr. (M) Assistant Professor Amrita Vishwa Vidyapeetham Amritapuri, P.O. Clappana Kollam - 641 105 Kerala	28.73	24
2572	Site specific seismic hazard studies for Amaravati region, Andhra Pradesh	DST-SERB-SRG	Bande,G., Dr. (M) Assistant Professor National Institute of Technology (Andhra Pradesh) Tadepalligudem Godavari - 534 101 Andhra Pradesh	32.49	24
2573	Snakeskin-inspired smart surfaces for man-made materials interacting with soil	DST-SERB-SRG	Vangla,P., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	31.47	24
2574	Structural health monitoring based on bayesian approach using vibration data	DST-SERB-SRG	Bansal,S., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	30.06	24
2575	Study & development of highly efficient multichannel photocatalytic micro/milli reactor for textile waste water treatment exploiting hollow spherical zinc based metal oxide composite	DST-SERB-SRG	Das,S., Dr. (F) Assistant Professor National Institute of Technology (Calicut) Calicut Mukkam Road, Kattangal Kozhikode - 673 601 Kerala	20.62	24
2576	Study of heat transfer rates to bodies under liquid pool fire exposure	DST-SERB-SRG	Siddapureddy,S., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	31.39	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2577	Study of the effects of stress-state & strain-rate on constitutive response of polymer gels via experiments & continuum mechanics modeling	DST-SERB-SRG	Bhattacharyya,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH 65, Surpura Bypass Road, Karwar Jodhpur - 342 030 Rajasthan	30.60	24
2578	Study on enhancing the removal of recalcitrant pharmaceuticals in simultaneous nitrification & denitrification system	DST-SERB-SRG	Arya,V., Dr. (F) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	30.83	24
2579	Sustainable cutting fluid technology for micro deep-hole drilling	DST-SERB-SRG	Mujumdar,S.S., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	30.81	29
2580	Synthesis of new thermoelectric materials, exploring Cu-S binary	DST-SERB-SRG	Chatterjee,R., Dr. (M) Assistant Professor Heritage Institute of Technology East Kolkatta Township, Chowbaga Road, Anandapur Kolkata - 700 107 West Bengal	31.57	24
2581	Technology development for 3d printing solid rocket propellants & their green alternatives	DST-SERB-SRG	Ambekar,A.D., Dr. (M) Assistant Professor Indian Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	28.45	30
2582	Template based fabrication for development of various micro nano structured surfaces & their characterization	DST-SERB-SRG	Goswami,A., Dr. (M) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	23.94	24
2583	Thermal analysis & modelling of multi-finger Algan/Gan Hemt for Rf applications	DST-SERB-SRG	Sarkar,B., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	31.56	24
2584	Thermal transport beyond fourier's law of heat conduction	DST-SERB-SRG	Bansal,D., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	31.94	24
2585	Turbulent boundary layer combustion for propulsion & fire science applications: Theoretical, experimental & computational studies	DST-SERB-SRG	Singh,A.V., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	29.81	24
2586	Ultra-precision machining of brittle materials - material micro-structural perspective & cutting edge radius effect	DST-SERB-SRG	Ahmed,A., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	31.65	24
2587	Understanding the engineering behavior of unsaturated geomaterials & implementing it in limit analysis for solving geotechnical problems	DST-SERB-SRG	Chakraborty,M., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	27.28	24
2588	Algal flora of monuments & caves of western Odisha - A perspective of conservation & restoration strategy	DST-SHRI	Nayak,B., Dr. (F) Associate Professor Sambalpur University Burla - 768 019 Odisha	20.47	12
2589	An AR based immersive experience of Indian heritage sites	DST-SHRI	Hariharan,B., Mr. (M) Associate Professor Amrita School of Engineering Department of Amrita Center for Wireless Networks, Amritapuri Kollam - 690 525 Kerala	16.85	48

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2590	Bioremediation & digital documentation towards the conservation of cultural heritage	DST-SHRI	Mutnuri,S., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus Zuarinagar - 403 726 Goa	16.49	36
2591	Development of customized material for maintenance & repair of heritage structures by using additive manufacturing	DST-SHRI	Singh,R., Prof. (M) Guru Nanak Dev Engineering College Department of Production Engineering Ludhiana - 141 006 Punjab	27.21	12
2592	Digital acquisition, character recognition & conservation of heritage content from ancient stone inscriptions	DST-SHRI	Maheshwari,P.U., Dr. (F) Associate Professor Anna University Chennai - 600 025 Tamil Nadu	48.18	36
2593	Digitalization of tribes of Punjab with reference to their art, culture & heritage (Especially Bazigar, Bauria, Sansi, Marasi, Sikligar, Gujjar & Bangala)	DST-SHRI	Tyagi,M.S., Dr. (M) Assistant Professor Panjab University Punjabi Literary Studies Patiala - 147 002 Punjab	74.78	12
2594	Evolutionary studies of sculptures in cultural heritage with non-destructive microwave spectroscopy	DST-SHRI	Kanwar,V., Dr. (M) Vice Chancellor Chitkara University Solan - 174 103 Himachal Pradesh	28.84	12
2595	Indian beliefs: Analysis in context of Vedic & modern science	DST-SHRI	Khosla,S., Dr. (F) Associate Professor D.A.V. University Jalandhar - 144 012 Punjab	12.52	36
2596	Investigation & analysis of the degradation of the natural & cultural heritage of Lonar Crater	DST-SHRI	Ragde,R., Dr. (M) Associate Professor Dr. Babasaheb Ambedkar Marathwada University Aurangabad - 431 004 Maharashtra	74.78	24
2597	Nadi Pariksha resurrection using advancement in signal processing techniques	DST-SHRI	Vasuki,S., Dr. (M) Professor & Head Velammal College of Engineering & Technology Department of Electronics & Communication Engineering Madurai - 625 009 Tamil Nadu	80.27	12
2598	Natural ageing investigation & microanalysis of Ajanta cave paintings	DST-SHRI	Sawant,M., Dr. (F) Assistant Professor Dr. Babasaheb Ambedkar Marathwada University Department of Tourism Admiration Aurangabad - 431 004 Maharashtra	48.18	12
2599	New generation multifunctional green nanocomposite coatings for the control of biodeterioration of cultural heritage	DST-SHRI	Ganguly,J., Dr. (F) Indian Institute of Engineering Science & Technology Howrah - 711 103 West Bengal	80.27	36
2600	New generation multifunctional green nanocomposite coatings for the control of biodeterioration of cultural heritage	DST-SHRI	Das,S., Ms. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	35.96	36
2601	Revitalization, upgradation & preservation of traditional tribal metal, alloy heritage crafts & artisanal skills of Arunachal Pradesh	DST-SHRI	Mahanta,D., Dr. (M) Joint Director Arunachal Pradesh State Council for Science & Technology Itanagar - 791 113 Arunachal Pradesh	45.39	60
2602	Scientific phenomenon behind the degradation & conservation of Warak printed textiles of Rajasthan	DST-SHRI	Bhagat,S., Dr. (F) Associate Professor Delhi University Lady Irwin College, Prasad Nagar New Delhi - 110 005 Delhi	62.33	12
2603	Socio-scientific approach to conservation of Bidri art with special reference to soil analysis	DST-SHRI	Rolla,K.P., Dr. (F) Dr. Babasaheb Ambedkar Marathwada University Aurangabad - 431 004 Maharashtra	31.86	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2604	Tangible & intangible heritage of Telangana a visual documentation & design intervention	DST-SHRI	Mathew,J., Dr. (M) Indian Institute of Technology (Hyderabad) Sangareddy - 502 285 Telangana	18.89	12
2605	Technical study of 18th century polychrome wooden sculpture in the collection of museum of Christian art, Goa	DST-SHRI	Anil,M., Ms. (F) Conservator Indian National Trust for Art & Cultural Heritag Division of Art & Material Heritage Conservation New Delhi - 110 003 Delhi	28.79	12
2606	Web technology development for heritage Tai Ahom manuscript	DST-SHRI	Baruah,D., Mr. (M) Assistant Professor Jorhat Engineering College Department of Computer Application Jorhat - 785 007 Assam	20.47	12
2607	A qualitative analysis into the barriers for policy implementation & creation of employment opportunities for persons with disabilities PWDs living in rural villages of Tiruvallur district, Tamil Nadu	DST-SSTP	Murugeswari, Dr. (F) Velammal Institute of Technology Panchetti Thiruvallur - 601 204 Tamil Nadu	19.43	36
2608	Awareness on natural resources with special mention to water & biodiversity to community	DST-SSTP	Samvatsar,S., Dr. (F) Director KCES' Jalasri Watershed Surveillance & Research Institute M.J. College Campus Jalgaon - 425 002 Maharashtra	12.24	12
2609	Design & development of dehydrating device for continuous processing of herbal leaves	DST-SSTP	Rajakaranakaran,S., Dr. (M) Professor & Head Ramco Institute of Technology Department of Mechanical Engineering, Krishnapuram Panchayat, North Venganallur Village Virudhunagar - 626 117 Tamil Nadu	15.75	36
2610	Design & development of pyrolyser to process various agricultural biomass & to demonstrate its technical feasibility	DST-SSTP	Velmurugan,V., Dr. (M) Professor Francis Xavier Engineering College No. 103 G2, Bypass Road, Vannarpettai Tirunelveli - 627 003 Tamil Nadu	97.56	36
2611	Design & field testing of an energy autonomous internet of things enabled cattle estrus detection device targeted for resource constrained regions	DST-SSTP	Mishra,B., Dr. (M) Professor Dhirubhai Ambani Institute of Information Communication Technology Department of VLSI & Embedded Systems Research Gandhinagar - 382 007 Gujarat	38.29	36
2612	Design a prototype configuration model for the vessel tracking system for the benefit of fishermen community & extend the configuration to the Tamil Nadu coastline	DST-SSTP	Ganesh,E.N., Dr. (M) Dean Vels University Vels Institute of Science, Technology & Advanced Studies, Electronics & Communication Engineering, Velan Nagar, Pallavaram Chennai - 600 117 Tamil Nadu	94.77	36
2613	Design of an automatic fabric defect & shade variation detector: A predictive model for textile industries in Tiruppur District, Tamil Nadu	DST-SSTP	Thiagarajan,M., Dr. (F) Professor Kongu Engineering College Department of E&C, Perundurai Erode - 638 052 Tamil Nadu	35.32	36
2614	Design of game-based communication platform for children with cerebral palsy	DST-SSTP	Amutha,R., Dr. (F) Professor Sri Sivasubramaniya Nadar College of Engineering Rajiv Gandhi Salai, Kalavakkam Chennai - 600 001 Tamil Nadu	17.01	36
2615	Design, development & demonstration of one vertical axis free flow helical clustered water turbine in Mizoram	DST-SSTP	Gandhi,R.A., Dr. (M) Associate Professor Sri Sai Ram Engineering College Department of Mechanical Engineering, Sai Leo Nagar Chennai - 600 044 Tamil Nadu	8.16	12

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2616	Development & scale-up of Desert Soilification Technology (DST) for land reclamation in western Rajasthan	DST-SSTP	Agrawal,A., Dr. (M) Assistant Professor Central University of Rajasthan Department of Microbiology, Bandarsindri, NH8, Krishangarh Ajmer - 305 817 Rajasthan	33.70	36
2617	Development & testing of portable kiln of 1 tonne capacity for charcoal production from Prosopisjuliflora	DST-SSTP	Deshpande,A.P., Prof. (M) Indian Institute of Technology (Madras) Department of Chemical Engineering: Rural Technology, Centre for Industrial Consultancy & Sponsored Research Chennai - 600 036 Tamil Nadu	266.09	24
2618	Development of integrated model villages (3 Nos.) in Manipur State	DST-SSTP	Singh,T.S., Mr. (M) Director Manipur Science & Technology Council Central Jail Road Imphal - 795 001 Manipur	164.90	36
2619	Development of integrated model villages (3 Nos.) in Meghalaya State	DST-SSTP	Suting,A.S., Mr. (M) Member Secretary State Council of Science, Technology & Environment Nongrim Hills Shillong - 793 003 Meghalaya	164.90	36
2620	Development of integrated model villages in Uttarakhand state	DST-SSTP	Purohit,H., Dr. (F) Senior Scientist Himalayan Environmental Studies & Conservation Organisation Village Shuklapur, P.O. Ambiwala Dehradun - 248 007 Uttarakhand	266.09	36
2621	Finger Gesture based alternative drive controller for powered wheel Chairs (Ges Chair)	DST-SSTP	Laddi,A., Dr. (M) Senior Scientist CSIR-Central Scientific Instruments Organization Department of Biomedical Instrumentation, Sector 30C Chandigarh - 160 030 Chandigarh	29.37	24
2622	Geo-chemical mapping of ground water quality in & around Lignite zone of Gujarat Mineral Development Corporation (GMDC) operated mines	DST-SSTP	Hasan,S.Z., Dr. (M) Principal Research Scientist Gujarat Energy Research & Management Institute Petroleum Research Wing, Energy Building Gandhinagar - 382 007 Gujarat	38.14	36
2623	Integration of Non-Timber Forest Products (NTFPs) as a means of socio-economic development in selected scheduled areas of Madhya Pradesh	DST-SSTP	Kaushik,S., Dr. (M) Assistant Professor Indira Gandhi National Tribal University Department of Environmental Science, Village Lalpur Amarkantak - 484 887 Madhya Pradesh	36.55	24
2624	Process scale up for enzymatic dehairing of skin as an alternative to chemical dehairing for leather industry of Punjab	DST-SSTP	Gupta,N., Dr. (M) Assistant Professor Panjab University Department of Microbiology, Room No, 302/320, BMS Block 1, Sector 14 Chandigarh - 160 014 Chandigarh	26.93	24
2625	Project proposal on student project scheme	DST-SSTP	Kumar,A.C., Dr. (M) Principal Scientist & Head Kerala State Council for Science, Technology & Environment Division of Science Education, Sasthra Bhavan, Pattom Palace Thiruvananthapuram - 695 004 Kerala	125.80	36
2626	Project proposal on student project scheme	DST-SSTP	Swamy,S.G.S., Dr. (M) Member Secretary Karnataka State Council for Science & Technology Indian Institute of Science Campus Bengaluru - 560 012 Karnataka	125.80	36
2627	Setting up of Technology Demonstrations Centre in Meghalaya on a value chain approach	DST-SSTP	Suting,A.S., Mr. (M) Member Secretary State Council of Science, Technology & Environment Shillong - 793 001 Meghalaya	577.43	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2628	Value-addition in Jasmine: Developing drying technology for Jasminum flowers for superior application in aroma therapy, skin care & flavouring of green tea	DST-SSTP	Mitra,A., Prof. (M) Indian Institute of Technology (Kharagpur) Department of Agricultural & Food Engineering Kharagpur - 721 302 West Bengal	9.41	12
2629	Artificial intelligence based vision for grasp classification in prosthetic hands	DST-SYST	Vasamsetti,S., Mr. (M) Senior Scientist CSIR-Central Scientific Instruments Organization Department,of Computational Instrumentation, Sector 30-C Chandigarh - 160 030 Chandigarh	29.52	36
2630	Capacitive deionization for salt recovery from RO rejects	DST-SYST	Priya,T.S., Ms. (F) Assistant Professor Anna University Department of Chemical Engineering, AC Technology Chennai - 600 025 Tamil Nadu	28.75	36
2631	Design & development of hybrid delivery system for indigenously developed green cutting fluid	DST-SYST	Katna,R., Mr. (M) Young Scientist Delhi Institute of Tool Engineering Maa Anandmayee Marg, Okhla Industrial Area New Delhi - 110 020 Delhi	34.40	36
2632	Electrochemical additive manufacturing process for sculptures, statues & decorative arts applications	DST-SYST	Kumar,S., Mr. (M) Scientist C CSIR-Advanced Materials & Processes Research Institute Hoshangabad Road, Near Habib Ganj Nakka Bhopal - 462 026 Madhya Pradesh	69.10	36
2633	Rationally designed flexible three dimensional interconnected piezoelectric composites foam for highly efficient mechanical energy harvesting	DST-SYST	Ananthakumar,R., Dr. (M) Jr. Scientist Central Institute of Plastics Engineering & Technology School of Advanced Research in Polymers, LARPM, B/25, CNI Complex, Patia Bhubaneswar - 751 024 Odisha	29.70	36
2634	Utilization of non edible de oiled cakes for environmental sustainability	DST-SYST	Deshmukh,M., Dr. (F) Assistant Professor Maharashtra Institute of Technology Department of Petroleum & Petrochemical Engineering, Dr. Vishwanath Karad MIT World Peace University, Paud Road, Kothrud Pune - 411 038 Maharashtra	49.86	36
2635	A novel atom-plasmon based platform for distributed & scalable quantum computer	DST-TFAR	Rapol,U.D., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	2468.48	36
2636	A study of the dynamics of interacting qubits in pure & mixed states in the context of entanglement generation & in quantum measurement	DST-TFAR	Venugopalan,A., Prof. (F) Guru Govind Singh Indraprastha University Sector 16C, Dwarka New Delhi - 100 078 Delhi	57.57	36
2637	Demonstration of a 4-qubit quantum processor using superconducting qubits in scalable architecture	DST-TFAR	Singh,V., Dr. (M) Assistant Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	1079.34	36
2638	Dephasing of quantum states in many-body localized & other types of disordered using systems	DST-TFAR	Mukerjee,S., Prof. (M) Associate Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	52.40	36
2639	Design & control of realistic quantum thermal machines	DST-TFAR	Vinjanampathy,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	123.50	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2640	Development of a quantum information processor with electron spins qubits in silicon	DST-TFAR	Mahapatra,S., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	1030.60	36
2641	Diamond based quantum technologies	DST-TFAR	Saha,K., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	390.42	36
2642	Efficient realization of quantum gate operations incorporating parallelism & fault tolerance	DST-TFAR	Sengupta,I., Prof. (F) Indian Institute of Technology (Kharagpur) Mohanpur - 721 302 West Bengal	47.30	36
2643	Emerging paradigams in quantum error correction with applications to physical of implementations of qubits	DST-TFAR	Mandayam,P., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	51.10	36
2644	Fabrication & implementation of spin qubit based quantum gates for quantum information processing in solid state systems	DST-TFAR	Mitra,C., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Kolkata) Mohanpur - 741 246 West Bengal	385.26	36
2645	Foundation for a scalable quantum computing technology based on nitrogen-vacancy centres in diamonds	DST-TFAR	Bhalla mud i,P.V., Prof. (F) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	502.14	36
2646	Geometric aspects of quantum correlations in dynamics	DST-TFAR	Vathsan,R., Dr. (F) Associate Professor Birla Institute of Technology (Mesra) Zuarinagar - 403 726 Goa	48.40	36
2647	In anticipation of quantum computers	DST-TFAR	Patel,A.D., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	237.90	36
2648	Magnetically resonated spin qubits NV centres & NMR	DST-TFAR	Mahesh,T.S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	514.24	36
2649	Nanophotonic control on the emission properties of color centres in nanodiamonds for quantum optical applications	DST-TFAR	Nair,R.V., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Rupnagar - 140 001 Punjab	175.10	36
2650	Noise analysis & entanglement characaterization of quantum information protocols in Ion traps, optical lattices, solid state & magnetic resonance systems	DST-TFAR	Sen,U., Dr. (M) Associate Professor G Harish-Chandra Research Institute Jhusi Allahabad - 211 019 Uttar Pradesh	146.32	36
2651	Non-classical correlations-entanglement & beyond entanglement	DST-TFAR	Sarkar,D., Prof. (M) Calcutta University 87/1, College Street Kolkata - 700 073 West Bengal	54.40	36
2652	Nonclassical resources from quantum simulations to incompatibility	DST-TFAR	Lakshminarayan,A., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	63.65	36
2653	Open quantum systems - Non Markovian dynamics & not completely positive maps	DST-TFAR	Shaji,A., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Thiruvananthapuram - 695 551 Kerala	166.02	36



BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2654	Optical clock based accurate time stamping in quantum communication	DST-TFAR	Subhadeep, Dr. (M) Associate Professor Inter University Centre for Astronomy & Astrophysics Post Bag 4, Ganeshkhind Pune - 410 007 Maharashtra	994.44	36
2655	Quantum computing with trapped Rubidium atoms	DST-TFAR	Wasan,A., Prof. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	448.52	36
2656	Quantum computing, controlling decoherence & quantum simulations on an NMR quantum computer	DST-TFAR	Dorai,K., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S,A,S. Nagar Mohali - 140 306 Punjab	911.14	36
2657	Quantum information using continuous variable state	DST-TFAR	Sengupta,R.B., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Berhampur - 760 010 Odisha	54.40	36
2658	Realizing distributed quantum computing with silicon based spin qubits	DST-TFAR	Thalakulam,M., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Thiruvananthapuram - 695 551 Kerala	972.64	36
2659	Role of uncertainty relations & measurement incompatibility in quantum information processing tasks	DST-TFAR	Ushadevi,A.R., Prof. (F) Bangalore University Bengaluru - 560 056 Karnataka	70.95	36
2660	Scaling up quantum processors using superconducting circuits	DST-TFAR	Vijayaraghavan,R., Dr. (M) Reader Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Colaba Mumbai - 400 005 Maharashtra	1328.58	36
2661	Technology-aware modeling & implementation of single, two & multi-qubit quantum operations for quantum nanostructures including Quantum Dots (QDs) & Nanowires (NWs)	DST-TFAR	Chattopadhyay,S., Dr. (M) Associate Professor Calcutta University 87/1, College Street Kolkata - 700 073 West Bengal	164.52	36
2662	Towards scalable quantum computer using Yb atoms in an optical lattice	DST-TFAR	Pandey,K., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	290.82	36
2663	A proposal for field trial to develop Raku glazes for Indian earthen-ware pottery	DST-TIASN	Prakash,V.C., Mr. (M) Gramodaya Sangh P.O.Bhadrawati Chandrapur - 442 902 Maharashtra	34.39	36
2664	Documentation of folklore/traditional knowledge, standardization & value addition of selected traditional formulation Janamgutti, Kajal & Laata at Chitrakoot region, Madhya Pradesh	DST-TIASN	Kumar,M., Dr. (M) SRO Deendayal Research Institute New Delhi - 110 055 Delhi	48.22	36
2665	Value addition of plantain waste biomass to fabric grade banana fiber: An experimental study on processing, weaving, & designing contemporary fashions in coastal Karnataka	DST-TIASN	Rao,V., Dr. (F) Manipal University Department of Design, Faculty of Architecture, Manipal Academy of Higher Education Udupi - 576 104 Karnataka	23.58	36
2666	Assistive device to impart perceptual ability to visually-impaired using intelligent scene captioning	DST-TIDE	Dutta,M.K., Dr. (M) Dr. A.P.J. Abdul Kalam Technical University Center for Advanced Studies Lucknow - 226 031 Uttar Pradesh	39.25	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2667	Automatic pain intensity detection by analyzing the facial expressions caused due to pain	DST-TIDE	Rathee,N., Dr. (F) Maharaja Surajmal Institute of Technology Department of Electronics & Communication Engineering, C-4, Janakpuri New Delhi - 110 058 Delhi	4.52	36
2668	Design & development of an affordable gait training device	DST-TIDE	Varma,D.S.M., Dr. (M) Vellore Institute of Technology University Department of Mechanical Engineering Vellore - 632 104 Tamil Nadu	25.15	36
2669	Development of a tool in aid for patients suffering from Amyotrophic Lateral Sclerosis using the developed low-cost eye tracker	DST-TIDE	Kumar,A., Dr. (M) Thapar Institute of Engineering & Technology Department of Computer Science & Engineering Patiala - 147 004 Punjab	10.38	36
2670	Development of biodegradable prosthetic limbs using 3D-printing for moment disability people	DST-TIDE	Shunmugasundaram,M., Dr. (M) C.M.R. Technical Campus Department of Mechanical Engineering, Kandlakoya, Medchal Road Hyderabad - 501 401 Telangana	35.90	36
2671	Development of Cameye for the visually challenged	DST-TIDE	Bhattacharya,J., Dr. (F) Thapar Institute of Engineering & Technology Department of Computer Science & Engineering Patiala - 147 004 Punjab	28.12	36
2672	Development of health foods kit for elderly population with diabetes	DST-TIDE	Shobana,S., Dr. (F) Madras Diabetes Research Foundation Chennai - 600 086 Tamil Nadu	73.46	36
2673	Efficient recognition & interpretation of Indian sign language using microsoft kinect	DST-TIDE	Raghuveera,T., Dr. (M) Anna University Department of Computer Science Engineerring Chennai - 600 025 Tamil Nadu	22.94	36
2674	Embedded system for Alternative & Augmentative Communication (AAC)	DST-TIDE	Prabhakar,A., Mr. (M) Indian Institute of Technology (Madras) Department of Electrical Engineering Chennai - 600 025 Tamil Nadu	20.11	36
2675	e-TLSID: Tool to impart Livelihood Skills for Intellectually Disabled	DST-TIDE	Poonkuzhali,S., Dr. (F) Rajalakshmi Engineering College Rajalakshmi Nagar, Thandalam Chennai - 602 105 Tamil Nadu	53.04	36
2676	Identifying & profiling skill development activities for generating potential employment opportunities for the persons with disabilities - A study	DST-TIDE	Chandrasekhar,C., Dr. (M) S.V. College of Engineering & Technology Department of Electronics & Communication Engineering Tirupati - 517 507 Andhra Pradesh	27.76	36
2677	Remote diagnosis system for assisted living using internet of things for rural areas	DST-TIDE	Revana,G., Mr. (M) Associate Professor BVRIT Hyderabad College of Engineering for Women Department of Electrical & Electronics Engineering, Nizampet, Rajiv Gandhi Nagar Hyderabad - 500 090 Telangana	48.21	36
2678	Speech to speech assistive system for speech impaired persons	DST-TIDE	Monie,E.C., Dr. (M) R.M.K. College of Engineering & Technology Department of Electronics & Communication Engineering, Gummadipoondi Thiruvallur - 601 206 Tamil Nadu	26.19	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2679	Wireless body sensor network supported sleep disorder analysis system	DST-TIDE	Ganesh,A.B., Dr. (M) Professor Velammal Engineering College Department of Electrical & Electronics Engineering Chennai - 600 066 Tamil Nadu	26.53	36
2680	Adoption of improved sustainable technologies of Muga culture for elevation of cocoon production in the tribal belt of Assam	DST-TITE	Vijay,N., Mr. (M) Scientist B Central Silk Board Central Muga Eri Research & Training Institute, Lahdoigarh Jorhat - 785 700 Assam	25.51	36
2681	Application of indigenously developed biomass fired cum solar hybrid dryer & animal feed crusher for value addition & socio economic upliftment of rural tribal population of Nagaland	DST-TITE	Hiese,N., Dr. (F) Nagaland Science & Technology Council Science & Technology Complex Kohima - 797 004 Nagaland	68.01	36
2682	Drudgery reduction of tribal women through S&T intervention in betel nut cutting tool	DST-TITE	Kakoty,S.K., Dr. (M) Indian Institute of Technology (Guwahati) Department of Mechanical Engineering Guwahati - 781 039 Assam	19.80	36
2683	Empowerment of tribal population of selected district of Assam by scientific exploration of Musa Balbisiana - A versatile medicinal plant of northeast	DST-TITE	Devi,R., Dr. (F) Institute of Advanced Study in Science & Technology Paschim, Boragaon, Garchuk Guwahati - 781 035 Assam	71.32	36
2684	Extending benefits of biomedical science & technology of SC & ST communities through all level participatory engagement - ST components	DST-TITE	Joseph,R., Dr. (M) Sree Chitra Tirunal Institute for Medical Sciences & Technology Biomedical Technology Wing, Poojapura Thiruvananthapuram - 695 012 Kerala	301.43	36
2685	Improvement in socio-economic conditions of tribals of Suru Zaskar valley (Kargil) through technological intervention	DST-TITE	Sharma,A., Dr. (F) Associate Professor Jammu University Department of Geography Jammu - 180 006 Jammu & Kashmir	46.42	36
2686	Livelihood enhancement & economic empowerment of Gujar & Bakerwal tribals through rural technology interventions in district Rajouri (J&K), India	DST-TITE	Hanief,M., Dr. (M) Assistant Professor Baba Ghulam Shah Badshah Univrsity Department of Botany, School of Biosciences & Biotechnology, Dhanore Rajouri - 185 234 Jammu & Kashmir	13.12	36
2687	Low carbon technology based sustainable habitat, sanitation & clean drinking water for a tribal village of Tripura	DST-TITE	Dasadhikari,S., Mr. (M) N.B. Institute for Rural Technology ARKANEER Sekerote - 799 130 Tripura	74.68	36
2688	Poverty alleviation & upliftment of tribal women through mechanized manufacturing of traditional ornaments & house hold products	DST-TITE	Bhukya,M.N., Dr. (M) Institute of Aeronautical Engineering Dundigal Hyderabad - 500 043 Telangana	160.10	36
2689	Preservation of Todas weaving art applying science & technology	DST-TITE	Kavitha,S., Dr. (F) K.G. College of Arts & Science K.G. Campus, 365, Thudiyalur Road, Saravanampatti Coimbatore - 641 035 Tamil Nadu	20.69	36
2690	Proposal of ST/SC community development programme in IASST, Guwahati	DST-TITE	Khan,M.R., Dr. (M) Institute of Advanced Study in Science & Technology Paschim Boragaon, Garchuk Guwahati - 781 035 Assam	1399.72	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2691	Scaling up of technology developed for manually operated equipment for bamboo stripes manufacturing	DST-TITE	Kore,S.D., Prof. (M) Indian Institute of Technology (Goa) Department of Mechanical Engineering Ponda - 403 401 Goa	43.86	36
2692	Science technology & innovation hub for development of scheduled tribe in medchal-Malkajgiri district of Telangana state	DST-TITE	Merugu,S., Dr. (M) C.M.R. College of Engineering & Technology Medchal Hyderabad - 501 404 Telangana	298.58	36
2693	Socio-economic development through technology intervention for sustainable muga culture among tribal communities in Nagaland	DST-TITE	Kakati,L.N., Prof. (M) Nagaland University District Zunheboto Lumami - 798 627 Nagaland	70.28	36
2694	Socio-economic upliftment of rural tribal people of the state of Mizoram through appropriate science & technology interventions A CSIR-CMERI initiative	DST-TITE	Mandal,S.K., Dr. (M) Principal Scientist CSIR-Central Mechanical Engineering Research Institute Mahatama Gandhi Avenue Durgapur - 713 209 West Bengal	51.35	36
2695	Socio-economic upliftment of tribal women through improvement of handloom weaving & commercialization of GI shawls	DST-TITE	Aiko,V., Dr. (M) Executive Director Chakhesang Women Welfare Society T.Chikri, Pfutsero Phek - 797 107 Nagaland	52.81	36
2696	Status improvement of tribal people through S & T intervention in Kadalayaloomodu Panchayat of Kanyakumari district Tamil Nadu	DST-TITE	Bagavatheeswaran,P., Dr. (M) Centre for Social Development Kulala Street, Thirunainarkurichi, Ammandivilai Kanya Kumari - 629 204 Tamil Nadu	26.94	36
2697	Stressed speech analysis in tribal language of Arunachal Pradesh	DST-TITE	Saring,Y., Dr. (F) Assistant Professor National Institute of Technology (Arunachal Pradesh) Yupia, Naharlagun Papum Pare - 791 110 Arunachal Pradesh	28.67	36
2698	Sustainable livelihood generation of tribal community through value added product from Moringa leaves	DST-TITE	Subudhi,E., Dr. (M) Associate Professor Siksha O Anusandhan University Centre for Biotechnology, School of Pharmaceutical Sciences, Kalinganagar, Ghatikia Bhubaneswar - 751 003 Odisha	37.32	36
2699	Technological interventions for enhancing productivity, scalability & value addition to obtain fiber from a local plant (Urtica Dioica) for Tribals in Nagaland: A waste to wealth programme	DST-TITE	Selvaraj,S.P., Dr. (M) Professor & Head Bannari Amman Institute of Technology Department of Electronics & Instrumentation Engineering Erode - 638 401 Tamil Nadu	68.82	36
2700	Technological interventions for enhancing productivity, scalability & value addition to smart biogas community plant for tribals	DST-TITE	Tamilselvan,G.M., Dr. (M) Sri Krishna College of Technology Kovaipudur Coimbatore - 641 042 Tamil Nadu	39.64	36
2701	Upgradation of indigenous weaving skills, design, fabrication & improvement of traditional tools, implements used by tribal women for preservation of traditional tribal handicrafts of Arunachal Pradesh	DST-TITE	Papu,T., Dr. (M) Rural Mahila Welfare Society District Lower Subansiri Namko Deed - 791 120 Arunachal Pradesh	34.19	36
2702	An integrated anaerobic digestion & microbial electrolysis system for the enhancement of methane production from waste	DST-WOS-A	Thanarasu,A., Ms. (F) Anna University Chennai - 600 025 Tamil Nadu	29.10	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2703	Augmentation of fermentative bio-hydrogen production by using nanoparticles & immobilization techniques for mitigating biowastes	DST-WOS-A	Rai,P., Ms. (F) Motilal Nehru National Institute of Technology Allahabad - 211 004 Uttar Pradesh	28.89	36
2704	Boosting the efficiency of green solar cell with coupled quantum dot (AgInTe <sub>2</sub> -ZnS) architecture	DST-WOS-A	Bhattacharya,D., Dr. (F) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	32.29	36
2705	Design & development of adaptive loss of excitation protection scheme for synchronous generators	DST-WOS-A	Hemavathi,R., Ms. (F) Thiagarajar College of Engineering Madurai - 625 015 Tamil Nadu	24.30	36
2706	Development & performance evaluation of sustainable, ecofriendly metal-working fluids	DST-WOS-A	Nataraj,S.H., Dr. (F) Indian Institute of Science Bengaluru - 560 012 Karnataka	30.80	36
2707	Development of nano-particles for targeted chemo-radionuclide therapy of cancer	DST-WOS-A	Balakrishnan,B., Dr. (F) Bhabha Atomic Research Centre Trombay Mumbai - 400 085 Maharashtra	31.48	36
2708	Extraction & characterization of bioactive from tropical fruit waste using green techniques	DST-WOS-A	Das,I., Dr. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	36.35	36
2709	Fabrication & characterization of perovskite based electronics devices: Different types of low voltage field effect transistors & resistive switching memory (Memristor)	DST-WOS-A	Agrawal,K., Dr. (F) CSIR-National Physical Laboratory Pusa Road New Delhi - 110 012 Delhi	34.08	36
2710	Fault detection of gearboxes using vibration & acoustic emission analysis	DST-WOS-A	Gautam,P., Ms. (F) Indian Institute of Technology (Indore) Khandwa Road Simrol Indore - 453 552 Madhya Pradesh	24.97	36
2711	Flexible hybrid nano-generators towards large-scale green & renewable energy harvesting	DST-WOS-A	Das,S., Dr. (F) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	26.78	36
2712	High throughput imaging system in Mentha arvensis for management of diseases, nutrient, water & harvesting using machine learning Algorithms	DST-WOS-A	Prasad,N., Dr. (F) CSIR-Central Institute of Medicinal & Aromatic Plants Lucknow - 226 015 Uttar Pradesh	28.67	36
2713	Investigations on passive RFID tag antenna for UHF band applications	DST-WOS-A	Bansal,A., Ms. (F) Thapar Institute of Engineering & Technology Patiala - 147 001 Punjab	22.95	36
2714	IoT based smart surveillance system for suspicious human activity monitoring & behavioral analysis in crowds	DST-WOS-A	Varghese,E.B., Ms. (F) Indian Institute of Information Technology & Management Thiruvananthapuram - 695 581 Kerala	20.68	36
2715	Metal rich metal oxide for RRAM applications	DST-WOS-A	Kaushik,S., Ms. (F) Amity University Block J-2, Sector 125 Noida - 201 313 Uttar Pradesh	24.70	36
2716	Numerical optimization in reconfigurable hardware to extend the use of model predictive control for real time application	DST-WOS-A	Patne,V.A., Ms. (F) College of Engineering Pune - 411 005 Maharashtra	28.14	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2717	Pattern synthesis & mutual coupling analysis for icosahedron based spherical arrays	DST-WOS-A	Priyalatha,P., Ms. (F) Birla Institute of Technology & Science (Pilani) Jawahar Nagar, Shameerpet Mandal Hyderabad - 500 078 Telangana	25.34	36
2718	Performance & improvement study of Bi-frequency MILO	DST-WOS-A	Dixit,G., Dr. (F) National Institute of Technology (Kurukshetra) Kurukshetra - 136 119 Haryana	29.90	36
2719	Reconfigurable antennas with frequency, polarization, & radiation pattern agility for wireless communication systems	DST-WOS-A	Srivastava,G., Dr. (F) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	26.24	36
2720	Self-enabled monitoring of hypertension towards low cost digital healthcare	DST-WOS-A	Roy,M.S., Ms. (F) Calcutta University Kolkata - 700 009 West Bengal	23.83	36
2721	Solar energy driven facile method for wastewater remediation	DST-WOS-A	Paul,D.R., Ms. (F) Deenbandhu Chhotu Ram University of Science & Technology Murthal Sonapat - 131 039 Haryana	28.34	36
2722	Spectrum efficient schemes for IoT sensor networks	DST-WOS-A	Gupta,N., Ms. (F) Gautam Buddha University Gautam Buddha Nagar Greater Noida - 201 308 Uttar Pradesh	20.01	36
2723	Structural asymmetric induced nonlinear electron mobility of double quantum well pseudomorphic HEMT for low power application	DST-WOS-A	Panda,S.R., Ms. (F) National Institute of Science & Technology Palur Hills Berhampur - 761 008 Odisha	20.79	36
2724	Study & fabrication of an aptamer based FET biosensor	DST-WOS-A	Rai,K., Dr. (F) Jyothy Institute of Technology Centre for Incubation, Innovation, Research & Consultancy Bengaluru - 560 082 Karnataka	29.90	36
2725	Study on cognitive radio based industrial internet of things	DST-WOS-A	Gupta,D., Ms. (F) Jadavpur University Kolkata - 700 032 West Bengal	28.04	36
2726	Empowering rural women through various technology based livelihood opportunities under women technology park	DST-WS	Nag,N., Mrs. (F) Scientist B Tripura State Council for Science & Technology Vigyan Bhawan, Pandit Nehru Complex Gorkhabasti, Kunjaban Agartala - 799 006 Tripura	54.18	36
2727	Empowerment of rural women through science based skill development	DST-WS	Kaur,L., Dr. (F) Pushpa Gujral Science City Jalandhar - 144 001 Punjab	59.62	36
2728	Study of women technology parks in the country for integrated development of rural women	DST-WS	Misra,K.D., Ms. (F) Vigyan Prasara A-50, NCMRWF Building Noida - 201 309 Uttar Pradesh	39.16	36
2729	Women empowerment atlas of India: Science & technology perspective	DST-WS	Parihar,S.M., Dr. (F) Associate Professor National Atlas & Thematic Mapping Organisation (NATMO) Kiroori Mal College (KMC), University of Delhi & CGO Complex, 7th floor, DF Block, Salt Lake Kolkata - 700 064 West Bengal	77.01	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2730	Fast forward to SDG6: Acceptable & affordable water in secondary Indian cities (4WARD)	DST-WTI	Tiwari,M.K., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	927.80	60
2731	Identification of the radioactivity in the ground/surface water sources of Delhi NCR & development of the suitable devices for radioactive water purification	DST-WTI	Kaushik,V., Dr. (M) Scientist E Institute of Nuclear Medicine & Allied Sciences Brig. S. K. Majumdar Road, Timarpur Delhi - 110 054 Delhi	104.75	36
2732	Scientific standardization & value addition of traditional skill for production of Tripura water filters candle & distribution of water filter among people of affected areas by water borne disease of Tripura	DST-WTI	Majumder,S., Dr. (F) Scientist & Engineer B Tripura State Council for Science & Technology Pandit Nehru Complex, Vigyan Bhawan, Gorkhabasti Agartala - 799 006 Tripura	98.60	24
2733	Structured Dialogues for Sustainable Urban Water Management (SDSUWM)	DST-WTI	Gupta,R., Dr. (M) Senior Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	509.04	60
2734	Technology implementation for water management system in Gurugram	DST-WTI	Chaudhary,B.K., Dr. (M) Assistant Professor Jawaharlal Nehru University Transdisciplinary Research Cluster on Sustainability Studies New Delhi - 110 067 Delhi	327.21	36
2735	Water for change integrative & fit-for-purpose water sensitive design framework for fast growing livable cities	DST-WTI	Kansal,M.L., Dr. (M) Professor Indian Institute of Technology (Roorkee) Department of Water Resources & Management Roorkee - 247 667 Uttarakhand	803.13	60
2736	A flood warning system for entire India-optimal utilization of satellite-based data & development of a computationally efficient flood-inundation model	ISRO-RESPOND	Biswal,B., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	32.44	24
2737	Ab initio study of thermal properties of transition metal ceramics for thermal barrier coating	ISRO-RESPOND	Katre,A., Dr. (F) Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	10.50	24
2738	Adaptive beam forming for mitigation of interference & jamming at the ground terminal of Global Navigational Satellite Systems (GNSS)	ISRO-RESPOND	Gupta,S., Dr. (M) Professor & Dean Dhirubhai Ambani Institute of Information Communication Technology Near Indroda Circle Gandhinagar - 382 007 Gujarat	15.98	24
2739	Advanced guidance & control of a spacecraft for station- keeping in halo orbit at sun-earth L1 Lagrangian point	ISRO-RESPOND	Padhi,R., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	17.47	24
2740	Aerodynamic characterization of reusable launch vehicle at low speeds	ISRO-RESPOND	Kumar,P., Dr. (F) Professor Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	22.39	36
2741	Assessment of utilization of VGI sources for flood inundation mapping in urban environments	ISRO-RESPOND	Chitrakala,S., Dr. (F) Professor Anna University Sardar Patel Road Chennai - 600 025 Tamil Nadu	17.98	24
2742	Behavioral modeling & Digital Pre-Distortion (DPD) of high power amplifiers for satellite systems	ISRO-RESPOND	Kurup,D.G., Dr. (M) Professor Amrita Vishwa Vidyapeetham Post Camelram Bengaluru - 560 035 Karnataka	44.93	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2743	Capillary-Fed Evaporative Microthruster for micro/nano Satellites (CAFEMS)	ISRO-RESPOND	Dash,S., Dr. (F) Indian Institute of Science Bengaluru - 560 012 Karnataka	18.26	24
2744	Combining Hyperbolic & NavIC navigation algorithms for attitude control of ship in floating dry dock	ISRO-RESPOND	Sarvagya,M., Dr. (F) Professor Reva University Rukmini Knowledge Park, Kattigenahalli, Yelahanka Bengaluru - 560 064 Karnataka	21.22	24
2745	Comprehensive simulation engine for Type-II superlattice based barrier infrared photodetectors	ISRO-RESPOND	Muralidharan,B., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	31.22	36
2746	Cultural landscape research: Characterizing & managing built heritage sites	ISRO-RESPOND	Rajani,M.B., Dr. (M) Assistant Professor National Institute of Advanced Studies IISC Campus Bengaluru - 560 012 Karnataka	45.88	36
2747	Delayed cracking in maraging steel weldments: Material characterization and FE modeling principle	ISRO-RESPOND	Mishra,S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	21.84	24
2748	Design & development of 14-bit 10 MSPS 50 mW SAR (Successive Approximation Register) ADC in 180nm CMOS technology	ISRO-RESPOND	Venkataramani,B., Dr. (M) Professor National Institute of Technology (Tiruchirappalli) Tiruchirappalli - 620 015 Tamil Nadu	20.88	24
2749	Design & development of a scalable framework for Geospatial/Geoscience data ingestion, ad-hoc queries & analysis on big data environment	ISRO-RESPOND	Garg,S., Dr. (M) Professor Nirma University Department of Computer Science & Engineering, S.G. Highway Chandiodia, Gota Ahmedabad - 382 481 Gujarat	19.82	24
2750	Design & development of ANFIS controller	ISRO-RESPOND	Mercy,L., Dr. (F) Assistant Professor Sathyabama University Sathyabama Institute of Science, Old Mahabalipuram Road Chennai - 600 119 Tamil Nadu	19.34	24
2751	Design & development of Substrate Integrated Waveguide (SIW) based Bandpass Filters	ISRO-RESPOND	Mohan,A., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	17.40	24
2752	Design & implementation of fault attack resilient encryption for secure communication	ISRO-RESPOND	Chowdhury,D.R., Prof. (F) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	24.38	24
2753	Design & simulation of physical layer & Medium Access Control (MAC) layer functionalities of future mobile satellite systems	ISRO-RESPOND	Das,R.L., Dr. (M) Assistant Professor Dhirubhai Ambani Institute of Information Communication Technology Gandhinagar - 382 007 Gujarat	27.46	24
2754	Design of a sampling instrument for detection of toxic isocyanate vapours in solid propellant plants & demonstration of its working principle	ISRO-RESPOND	Renita,A.A., Dr. (M) Professor Sathyabama University Sathyabama Institute of Science, Rajiv Gandhi Salai, Jeppiar Nagar Chennai - 600 119 Tamil Nadu	8.87	12
2755	Design of an algorithm for urban feature extraction & classification for satellite image	ISRO-RESPOND	Patel,H.N., Dr. (F) Professor & Head A.D. Patel Institute of Technology New V.V. Nagar, P.O. Box ;52, GIDC, Vithal Udyognagar Anand - 388 121 Gujarat	16.31	24



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2756	Design of high slew rate, low offset & low drift Operational Amplifier (OPAMP) in 180nm SCL's CMOS fabrication technology	ISRO-RESPOND	Vijeyakumar,K.N., Mr. (M) Associate Professor Dr. Mahalingam College of Engineering & Technology Udumalai Road Pollachi - 642 003 Tamil Nadu	20.04	24
2757	Design, analysis & demonstration of the porous injector concept for throttling of liquid rocket engine	ISRO-RESPOND	Parthasarathy, Dr. (M) Assistant Professor National Institute of Technology (Karnataka) Mangalore Surathkal - 575 025 Karnataka	25.00	24
2758	Design, analysis & implementation of sliding mode controller for quadrotor UAV	ISRO-RESPOND	George,V.I., Dr. (M) Professor Manipal Institute of Technology Manipal - 576 104 Karnataka	12.28	24
2759	Development of a 3D-DSMC code for simulation of rocket engine exhaust with lunar dust	ISRO-RESPOND	Bhandarkar,U.V., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	25.15	24
2760	Development of a statistical model for reliability estimation of the flight software of Launch vehicles of ISRO	ISRO-RESPOND	Chakraborty,A.K., Dr. (M) Indian Statistical Institute 203, Barrackpore Truck Road Kolkata - 700 108 West Bengal	21.49	18
2761	Development of anti-erosion coatings on polymers for low earth orbit space applications	ISRO-RESPOND	Dhole,S.D., Dr. (M) Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	24.50	24
2762	Development of automatic land cover change detection & analysis system from high resolution remote sensing images	ISRO-RESPOND	Lal,S., Dr. (M) Assistant Professor National Institute of Technology (Karnataka) Srinivasnagar, Mangalore Surathkal - 575 025 Karnataka	19.44	24
2763	Development of fast response cryogenic temperature sensors using graphene nanocomposites for aerospace applications	ISRO-RESPOND	Dinesh,N.S., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	17.46	36
2764	Development of fusion algorithms for remotely sensed satellite images in cartographic applications	ISRO-RESPOND	Venkateswaran,N., Dr. (M) Professor Sri Sivasubramaniya Nadar College of Engineering Department of Electronics & Communications Engineering, Kalavakkam Chennai - 603 110 Tamil Nadu	14.29	36
2765	Development of high sensitivity ZnO nanostructures based gas sensing array for space applications	ISRO-RESPOND	Singh,V., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Simrol Indore - 453 552 Madhya Pradesh	25.58	24
2766	Development of iridium coating over carbon-carbon composites for space applications	ISRO-RESPOND	Kumari,S., Dr. (F) Scientist CSIR-National Institute for Interdisciplinary Science & Technology P.O. Industrial Estate Thiruvananthapuram - 695 019 Kerala	40.87	24
2767	Development of multi-component refractory alloy carbides for extreme operating environment by spark plasma sintering	ISRO-RESPOND	Kumaran, Dr. (M) Professor & Head National Institute of Technology (Tiruchirappalli) Tiruchirappalli - 620 015 Tamil Nadu	29.62	24
2768	Development of multi-stage deep drawing set-up & estimation of formability of Cu-(0.5-0.8%)Cr-0.05%Ti-0.05%Zr alloy sheets for space applications	ISRO-RESPOND	Kar,S.K., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	34.08	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2769	Development of nano- polishing technology for metal mirrors	ISRO-RESPOND	Kotwal,G.N., Dr. (M) Vishwakarma Institute of Technology Pune - 411 007 Maharashtra	22.36	24
2770	Development of numerical model to study the condensation heat transfer & pressure drop in millimeter-scale tubes under different gravity levels	ISRO-RESPOND	Saha,S.K., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	26.18	24
2771	Development of software tool for multi & hyper spectral data processing of earth science data for integration of spatio-spectral information for mineral identification & mapping using deep learning neural network & graph-cut based method	ISRO-RESPOND	Samantha,B., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	27.09	36
2772	Development of wearable - nanotechnology based pressure/strain & physiological sensors for space-crew health monitoring	ISRO-RESPOND	Gupta,D., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	31.24	24
2773	Developments of high entropy alloy wear resistance coatings for rocket engines	ISRO-RESPOND	Shiva,S., Dr. (M) Indian Institute of Technology (Jammu) Jagti, NH 44 Jammu - 181 221 Jammu & Kashmir	17.53	12
2774	Digitization & quantification studies of high sensitive indigenous Nox sensor & its optical calibration	ISRO-RESPOND	Adhyapak,P.V., Dr. (M) Scientist C Centre for Materials for Electronics Technology (C-MET) Pashan Road, Panchwati Pune - 411 008 Maharashtra	32.83	36
2775	Dynamic studies for half-humanoid & space flying robot	ISRO-RESPOND	Shah,S.V., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH-65, Nagaur Road Karwar Jodhpur - 342 037 Rajasthan	16.84	24
2776	Effect of acoustics on the characteristics of swirl coaxial atomizer	ISRO-RESPOND	Gadgil,H., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	21.38	24
2777	Energy efficient & optimal path planning strategies for SWARM of UAVS in real time localization using deep learning based stereo vision system	ISRO-RESPOND	Balasubramanian, Dr. (M) Associate Professor Vel Tech Dr. Rangarajan & Dr. Suganthala Technical University Avadi Chennai - 600 062 Tamil Nadu	23.01	30
2778	Estimation of Crop Water Productivity (CWP) in the major river basins of Tamil Nadu using Geospatial technology	ISRO-RESPOND	Vaani, Prof. (F) Assistant Professor Vellore Institute of Technology University Katpadi-Thiruvallam Road Vellore - 632 014 Tamil Nadu	19.64	24
2779	Estimation of inter laminar transverse shear stresses in sandwiched structure using a higher order shear & normal deformation theory	ISRO-RESPOND	Shiyekar,S.M., Dr. (M) D.Y. Patil College of Engineering Pune - 411 007 Maharashtra	14.25	24
2780	Estimation of thermal load due to mixing in 10T vertical mixer	ISRO-RESPOND	Prakash,K.A., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	19.80	18
2781	Evaluation of mechanical performance of the 3-D printed PEEK polymer used in space applications	ISRO-RESPOND	Kulkarni,D.M., Prof. (M) Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus Zuarinagar - 403 726 Goa	36.29	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2782	Experimental study of combustion in space environment	ISRO-RESPOND	Kumar,A., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	24.12	18
2783	Fabrication of silicon based nanocomposites for high energy density li-ion anodes	ISRO-RESPOND	Preethi,L.K., Dr. (F) Scientist Sathyabama University Sathyabama Institute of Science, Rajiv Gandhi Salai, Jeppiar Nagar Chennai - 600 119 Tamil Nadu	20.02	24
2784	Framework for evaluation of hydrological components in watershed under the scheme of Prime Minister Krishi Sinchayee Yojna (PMKSY) (Watershed Development Component-WDC)	ISRO-RESPOND	Patil,N.S., Dr. (M) Associate Professor Visvesvaraya Technological University Jnana Sangama Machee Belagavi - 590 018 Karnataka	33.73	36
2785	Government agency initiatives for scientific research management with special reference to institute/university interface	ISRO-RESPOND	Bhatt,N., Dr. (M) Professor Nirma University Sarkhej Gandhinagar Highway Ahmedabad - 382 481 Gujarat	19.69	24
2786	Health monitoring & fault diagnosis of Turbo pumps of Liquid Rocket Engines (LREs) using deep learning neural networks	ISRO-RESPOND	Umapathy,M., Dr. (M) Professor National Institute of Technology (Tiruchirapalli) Tiruchirappalli - 620 015 Tamil Nadu	16.87	24
2787	Impacts of laser processing on Russian Super Alloy to prevent failure	ISRO-RESPOND	Shiva,S., Dr. (M) Indian Institute of Technology (Jammu) Jagti, NH 44 Jammu - 181 221 Jammu & Kashmir	14.54	24
2788	Improved protocols, techniques & algorithms for inter planetary networks-phase II	ISRO-RESPOND	Dutta,R., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	38.02	36
2789	Investigation of high temperature oxidation behaviour of super alloys & stainless steel for strategic applications	ISRO-RESPOND	Kumar,D., Dr. (M) Scientist C Sathyabama University Sathyabama Institute of Science, Rajiv Gandhi Salai, Jeppiar Nagar Chennai - 600 119 Tamil Nadu	16.94	24
2790	Investigation on in situ high-temperature corrosion behaviour of Ni-base & Co-base super alloys & refractory alloys for strategic applications	ISRO-RESPOND	Saravanan,K.G., Dr. (M) Scientist C Sathyabama University Sathyabama Institute of Science, Rajiv Gandhi Salai, Jeppiar Nagar Chennai - 600 119 Tamil Nadu	18.49	24
2791	Jet noise field for a supersonic under-expanded jet area-vibro-acoustics	ISRO-RESPOND	Chandy,A.J., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	21.38	36
2792	Lattice Boltzmann method for compressible fluid flows	ISRO-RESPOND	Patil,D., Dr. (M) Indian Institute of Technology (Dharwad) WALMI, Near to Dharwad High Court Bench Dharwad - 580 011 Karnataka	22.82	24
2793	Lattice Boltzmann method for supersonic & hypersonic flows	ISRO-RESPOND	Gangawane,K., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Rourkela - 769 008 Odisha	20.92	24
2794	Launch vehicle base heating prediction due to reversed flow & nozzle wall ablation	ISRO-RESPOND	Sinha,K., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	46.80	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2795	Leak detection tapes for hydrogen pipelines	ISRO-RESPOND	Santhanam,V., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	14.88	24
2796	Lower Atmospheric Wind Profile (LAWP) - MST Radar signal processing using Variational Mode Decomposition (VMD) based adaptive structures: Implementation using FPGA	ISRO-RESPOND	Suchetha,M., Dr. (F) Associate Professor Vellore Institute of Technology University Vanalur-Kelambakkam Road Chennai - 600 127 Tamil Nadu	28.42	24
2797	Mapping flood risk in data poor regions enforcing combined geomorphic & socio-economic indicators: An application to Jagatsinghpur district, Odisha	ISRO-RESPOND	Karmakar,S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	23.28	24
2798	Metal Oxide/MOF/Graphene-based flexible asymmetric super capacitors for space applications	ISRO-RESPOND	Tatiparti,S.S.V., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	34.40	36
2799	Miniaturized wideband analog phase modulator using phase looked loop	ISRO-RESPOND	Saxena,S., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	21.35	24
2800	Modeling & development of high-strength & lightweight CNT- based composite structure for high performance electromagnetic interference shielding of space vehicles	ISRO-RESPOND	Kundalwal,S.I., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	31.89	36
2801	Modeling & mapping of supraglacial debris cover thickness using UAS & satellite Remote Sensing data in selected glaciers of western Himalaya	ISRO-RESPOND	Ramsankaran,R., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	30.00	30
2802	Modeling & validation of evapotranspiration from India space borne thermal sensors	ISRO-RESPOND	Rajasekaran,E., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	29.92	24
2803	Modeling of chlorophyll-a (Chl-a) dynamics of the eastern Arabian sea: Biophysical coupling in the context of change in climate	ISRO-RESPOND	Hatha,M., Dr. (M) Professor Cochin University of Science & Technology Kochi - 682 022 Kerala	29.11	36
2804	Morphometry, soil erodibility & productivity potential of flood prone Brahmaputra basins of Dhemaji district using Remote Sensing & GIS	ISRO-RESPOND	Deka,B., Dr. (M) Professor Assam Agricultural University Jorhat - 785 013 Assam	24.13	36
2805	Multi-disciplinary design optimization study of LTA systems for Venus exploration	ISRO-RESPOND	Pant,R.S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	22.38	36
2806	Multispectral & UAV image fusion by image super-resolution using General Adversarial Network (GAN) deep learning archit	ISRO-RESPOND	Omkar,S.N., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	16.10	24
2807	Neuro-fuzzy synergism based POLSAR image classification	ISRO-RESPOND	Chaudhuri,S.S., Prof. (F) Jadavpur University Kolkata - 700 032 West Bengal	21.03	24
2808	Oil spill detection & discrimination from natural slicks in the coastal waters of Krishna Godavari basin, India	ISRO-RESPOND	Siddaiah, Prof. (M) Dean Acharya Nagarjuna University Nagarjuna Nagar Guntur - 522 510 Andhra Pradesh	41.23	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2809	Orbit parameter refinement using GNSS carrier phase data in post facto scenario for interferometric SAR & PolInSAR applications	ISRO-RESPOND	Ghosh,R., Prof. (F) Jadavpur University 188, Raja S.C. Mallick Road Kolkata - 700 032 West Bengal	22.87	24
2810	Oxygen reduction reaction catalyst development for fuel cells using in situ Spectroscopy	ISRO-RESPOND	Ranjan,C., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	17.25	36
2811	Plasma sprayed Gd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> /YSZ thermal barriers coatings for aerospace engine components	ISRO-RESPOND	Anderson,A., Dr. (M) Sathyabama University Sathyabama Institute of Science, Rajiv Gandhi Salai, Jeppiar Nagar Chennai - 600 119 Tamil Nadu	19.47	24
2812	Prediction of ground-level particulate matter concentrations from multi satellite Aerosol Optical Depth (AOD) over the Indian subcontinent	ISRO-RESPOND	Verma,S., Dr. (F) Associate Professor Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	22.08	36
2813	Printed, high performance microsupercapacitor arrays	ISRO-RESPOND	Dasgupta,S., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	13.12	24
2814	Process development & optimization of novel electro discharge machining variants for machining of super alloys (Titanium Ti6Al4V, inconel 600/718, Haynes 25, Molybdenum, Columbium103)	ISRO-RESPOND	Dongre,G.G., Dr. (M) Vishwakarma Institute of Technology Pune - 411 007 Maharashtra	22.00	24
2815	Quantifying the spatio-temporal rhythm of vegetation growth, health & its vulnerability due to climate change in different forest ecosystem in north-eastern India using time-series satellite data	ISRO-RESPOND	Jeganathan,C., Dr. (M) Professor Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	29.49	36
2816	Radiation tolerant all digital wide-tuning range fractional- N phase-locked loop	ISRO-RESPOND	Sahoo,B., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	39.87	36
2817	Reactionless maneuvering & visual servoing for space flying robot & half-humanoid	ISRO-RESPOND	Shah,S.V., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) NH-65, Nagaur Road, Karwar Jodhpur - 342 037 Rajasthan	43.86	24
2818	SAR polarimetric image classification using Wishart mixture model & convolution Neural networks	ISRO-RESPOND	Mitra,S.K., Prof. (M) Dhirubhai Ambani Institute of Information Communication Technology Near Indroda Circle Gandhinagar - 382 007 Gujarat	25.33	36
2819	Satellite image super-resolution using deep neural networks	ISRO-RESPOND	Chakraborty,A., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	13.16	24
2820	Satellite Network simulator (SN) with ULPC & ACM features	ISRO-RESPOND	Chaudhary,B., Dr. (M) Dhirubhai Ambani Institute of Information Communication Technology Near Indroda Circle Gandhinagar - 382 007 Gujarat	14.18	24
2821	Shear banding dynamics in structural alloys under impact loading	ISRO-RESPOND	Vishwanathan,K., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	18.62	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2822	Simulations of hypervelocity impact of bulk metallic glasses for spacecraft shielding applications	ISRO-RESPOND	Tandaiya,P., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	27.73	36
2823	Speech technologies for Humanoid	ISRO-RESPOND	Laxminarayana,P., Dr. (M) Professor/Prin. Scientist Osmania University Hyderabad - 500 007 Telangana	36.23	12
2824	Strain estimation in central seismic gap using numerical modeling constrained by geodetic measurements	ISRO-RESPOND	Somala,S.N., Prof. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Sangareddy - 502 285 Telangana	23.46	36
2825	Stress Wave Force Balance (SWFB) technique: An alternative method of accurate force measurement	ISRO-RESPOND	Sahoo,N., Dr. (M) Professor Indian Institute of Technology (Guwahati) North Amingaon Guwahati - 781 039 Assam	28.07	18
2826	Study of reaction kinetics by dielectric spectroscopy technique	ISRO-RESPOND	Balasubramanian,N., Dr. (M) Professor Anna University Chennai - 600 025 Tamil Nadu	9.10	12
2827	Synthesis & characterization of Boron Nitride nanostructures	ISRO-RESPOND	Balasubramanian, Dr. (M) Scientific Officer Institute for Plasma Research Gandhinagar - 382 016 Gujarat	29.81	24
2828	Synthesis of smart multifunctional nano-composites for corrosion sensing, protection & inhibition of metallic structures	ISRO-RESPOND	Sahoo,B., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	14.37	36
2829	System design for ground based beam former	ISRO-RESPOND	Vasavada,Y., Dr. (M) Associate Professor Dhirubhai Ambani Institute of Information Communication Technology Near Indroda Circle Gandhinagar - 382 007 Gujarat	38.06	24
2830	Tectonic modeling & spectro-mineral characterization of the Nagaland-Manipur ophiolite belt rocks using petrological studies integrated with imaging spectroscopy and spectral transformation of multi-sensor satellite data- phase-II	ISRO-RESPOND	Bhowmik,S.K., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	41.74	36
2831	Thermal management of space electronics using multi-turn Pulsating Heat Pipes (PHP)	ISRO-RESPOND	Kumar,M.N., Dr. (M) Jyothy Institute of Technology Centre for Incubation, Innovation Research & Consultancy, Tataguni Bengaluru - 560 082 Karnataka	25.55	24
2832	Thermo assisted same-material self-pierce riveting of aluminium alloys	ISRO-RESPOND	Kailas,S.V., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	11.36	12
2833	Thermo-mechanical modeling & simulation of laser-assisted machining of Ti-alloys	ISRO-RESPOND	Marla,D., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	26.92	36
2834	To develop software for linear and non-linear static analysis of structures using applied element method	ISRO-RESPOND	Nagarajan,P., Dr. (M) National Institute of Technology (Calicut) Kozhikode - 673 601 Kerala	13.88	24

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2835	Understanding the forming behaviour of C103 alloy in different treated conditions for rocket engine nozzle applications	ISRO-RESPOND	Muthupandi,V., Dr. (M) National Institute of Technology (Tiruchirapalli) Tiruchirappalli - 620 015 Tamil Nadu	32.62	24
2836	Urban flood monitoring & management in Bangalore city using Remote Sensing & GIS	ISRO-RESPOND	Rajakumara,H.N., Dr. (M) Professor Sri Venkateswara College of Engineering Bengaluru - 562 157 Karnataka	23.11	36
2837	Vision guided auto-lander for planetary missions	ISRO-RESPOND	Gupta,A., Dr. (M) Professor Jadavpur University Kolkata - 700 032 West Bengal	26.32	24
2838	VLSI implementation of Low Density Parity Check (LDPC) encoder/decoder for on-board/ground satellite applications	ISRO-RESPOND	Deepthi,P.P., Prof. (F) National Institute of Technology (Calicut) Kozhikode - 673 601 Kerala	30.12	24
2839	ZIGBEE based wireless sensor network for landslide	ISRO-RESPOND	Sunny,A., Dr. (M) Assistant Professor Indian Institute of Technology (Palakkad) Ahalia Integrated Campus, District Palakkad Kozhippara - 678 557 Kerala	15.52	24
2840	Autonomous Last Mile Vehicle (ALIVE) , IIIT Delhi	MEITY-R&D	Anand,S., Dr. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	167.63	24
2841	Capacity building through skill & entrepreneurship development on E-waste management for the north eastern states by NEILIT Gangtok, Sikkim	MEITY-R&D	Chattopadhyay,A., Dr. (M) Scientist E National Institute of Electronics & Information Technology Gangtok - 737 101 Sikkim	307.34	24
2842	CoE in rechargeable battery technology (Pre-Cell)	MEITY-R&D	Kale,B.B., Dr. (M) Scientist G Centre for Materials for Electronics Technology (C-MET) Pune - 411 008 Maharashtra	1287.67	60
2843	Collaborative intelligent transportation system endeavour for Indian cities - Intranse Phase II by CDAC-T, IIT-B, IIT-M, IISc-Bangalore	MEITY-R&D	Satheesh,G., Mr. (M) Centre for Development of Advanced Computing (C-DAC) PB No. 6520, Vellayambalam Thiruvananthapuram - 695 033 Kerala	1829.69	36
2844	Demonstration of mode division multiplexing using few mode fibers, IIT Madras	MEITY-R&D	Venkitesh,D., Dr. (F) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	173.83	36
2845	Demonstration of mode division multiplexing using few mode fibers, IIT Madras	MEITY-R&D	Venkitesh,D., Dr. (F) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	173.83	36
2846	Designing a cost efficient and optimized green broadband access network for rural India using Fiber Wireless (FiWi) access network architecture appropriate for NOFN, IIIT Delhi	MEITY-R&D	Srivastava,A., Prof. (M) Indraprastha Institute of Information Technology Delhi - 110 020 Delhi	35.88	24
2847	Development & deployment of motor controller for low to medium power electric vehicles by Delhi Technological University (DTU), Delhi	MEITY-R&D	Sreejath,M., Dr. (F) Delhi Technological University Bawana Road, Shahbad, Daulatpur Village, Rohini New Delhi - 110 042 Delhi	33.76	24
2848	Development of aerogel supercapacitor based power module for application in voter verifiable paper audit trail of EVM, C-MET Thrissur	MEITY-R&D	Seema,A., Dr. (F) Scientist D Centre for Materials for Electronics Technology (C-MET) Thrissur - 680 581 Kerala	566.36	36

## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2849	Development of high efficiency motors & controllers for Electric Vehicles (EVs) such as 2- Wheeler (2W), 3-Wheeler (3W) & small 4-Wheeler( 4W) cargo vehicles used in India, IIT Madras	MEITY-R&D	Sengupta,S., Dr. (M) Indian Institute of Technology (Madras) South Division Chennai - 600 025 Tamil Nadu	240.00	30
2850	Development of indigenous antennas for Navigation with Indian Constellation (NavIC), C-MET Hyderabad	MEITY-R&D	Ratheesh,R., Dr. (M) Director Centre for Materials for Electronics Technology (C-MET) Hyderabad - 500 051 Telangana	267.02	36
2851	Development of indigenous antennas for Navigation with Indian Constellation (NavIC), C-MET Hyderabad	MEITY-R&D	Ratheesh,R., Dr. (M) Director Centre for Materials for Electronics Technology (C-MET) Hyderabad - 500 051 Telangana	267.02	36
2852	Development of indigenous electrical sub-systems for 3-wheeler e-rickshaw along with a smart vehicle control unitP, IIT Kharagpur	MEITY-R&D	Jaliha,D., Prof. (M) Indian Institute of Technology (Kharagpur) Midnapore - 721 302 West Bengal	48.83	30
2853	Development of polybutadyne ceramic composite laminates & Substrate Integrated Waveguides (SIW)	MEITY-R&D	Panmand,R., Dr. (M) Scientist B Centre for Materials for Electronics Technology (C-MET) Thrissur - 680 581 Kerala	3513.72	30
2854	Development of printable silver thick film ink for RFID Tags on environment friendly, flexible substrate for smart appl., C-MET Pune	MEITY-R&D	Rane,S.B., Dr. (M) Scientist E Centre for Materials for Electronics Technology (C-MET) Pune - 411 008 Maharashtra	108.84	36
2855	Entrepreneurial training programme for scheduled caste communities to produce digital thermometers, C-MET Thrissur & IHRD Kochi	MEITY-R&D	Seema,A., Dr. (F) Scientist D Centre for Materials for Electronics Technology (C-MET) Thrissur - 680 581 Kerala	253.47	36
2856	Entrepreneurial training programme for scheduled tribe communities to produce solar lanterns/Led bulbs for lighting applications, C-MET Thrissur & IHRD Kochi	MEITY-R&D	Seema,A., Dr. (F) Scientist D Centre for Materials for Electronics Technology (C-MET) Thrissur - 680 581 Kerala	252.20	36
2857	Environmentally sound methods for recovery of metals from printed circuit boards - Phase II jointly by C-MET Hyderabad & E-Parisara Pvt. Ltd, Bengaluru	MEITY-R&D	Rajesh,S., Dr. (M) Scientist E Centre for Materials for Electronics Technology (C-MET) Hyderabad - 500 051 Telangana	807.80	76
2858	Establishment of CoE on E-waste management, C-MET Hyderabad	MEITY-R&D	Ratheesh,R., Dr. (M) Director Centre for Materials for Electronics Technology (C-MET) Hyderabad - 500 051 Telangana	1432.00	60
2859	Magneto-dielectric substrates for miniaturised antenna application CMET Thrissur & Sameer Chennai	MEITY-R&D	Kalubarme,R.S., Dr. (M) Scientist C Centre for Materials for Electronics Technology (C-MET) Sameer Chennai Thrissur - 680 581 Kerala	140.82	48
2860	Magneto-dielectric substrates for miniaturised antenna application CMET Thrissur & Sameer Chennai	MEITY-R&D	Kalubarme,R.S., Dr. (M) Scientist C Centre for Materials for Electronics Technology (C-MET) Sameer Chennai Thrissur - 680 581 Kerala	140.82	48
2861	Security & edge intelligence hardware extensions for Shakti based compute environment	MEITY-R&D	Kamakoti, Prof. (M) Chief Investigator Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	990.00	30



## BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2862	Solar powered robust e-rickshaw control with bidirectional DC-DC converter using regenerative cycle boost charging, by NIT-Uttarakhand	MEITY-R&D	Dwivedi,P., Mr. (M) National Institute of Technology (Uttarakhand) NH-58 Srinagar - 246 174 Uttarakhand	30.02	24
2863	Design & development of high efficiency solar water pumping systems	MNRE-RETD	General,Director, The National Institute of Solar Energy Gurgaon - 122 003 Haryana	685.00	36
2864	Design & development of high performance supercapatteries for solar applications (Solar Lantern Solar Home Light)	MNRE-RETD	Gairola,S.P., Dr. (M) Indian Institute of Technology (Roorkee) Uttaranchal University, Dhradun Roorkee - 247 667 Uttarakhand	99.00	36
2865	Design, development & demonstration of solar dryer suitable for drying natural rubber sheets in north east India	MNRE-RETD	Maiti,S., Dr. (F) CSIR-Central Salt & Marine Chemicals Research Institute Solar Energy Lab, Process Design & Engineering Cell, National Institute of Technology, Agartala Bhavnagar - 364 002 Gujarat	45.11	36
2866	Design, development of supercritical CO2 turbomachinery for solar thermal power plants	MNRE-RETD	Singh,I.P., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	343.60	36
2867	Development of high efficiency (21%/ 19%) PERC type of c-Si/mc-Si solar cells	MNRE-RETD	Pant,B.K., Dr. (M) National Institute of Solar Energy BHEL-ASSCP, Gwalpahari Gurgaon - 122 003 Haryana	5433.00	36
2868	Development of high efficiency receiver for supercritical CO2 integrated with static focus parabolic dish	MNRE-RETD	Dutta,P., Prof. (M) World Renewal Spiritual Trust IISC, Bangalore Mumbai - 400 023 Maharashtra	342.49	36
2869	Flexible perovskite solar cells & intermediate module	MNRE-RETD	Sarkar,S.K., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	830.00	36
2870	Integrated wind & solar resource assessment	MNRE-RETD	Katyal,R., Dr. (M) National Institute of Wind Energy Chennai - 600 100 Tamil Nadu	1799.00	36
2871	Met-ocean measurements (Wind, wave, tide, current, water level, etc.) at Gulf of Khambhat & Gulf of Mannar	MNRE-RETD	Katyal,R., Dr. (M) National Institute of Wind Energy Chennai - 600 100 Tamil Nadu	4464.00	36
2872	National Centre for Photovoltaic Research & Education (NCPRE) Phase-II	MNRE-RETD	Fernandes,B.G., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6235.00	36
2873	National primary standard facility for cell calibration	MNRE-RETD	Pathi,P., Dr. (M) CSIR-National Physical Laboratory Dr K.S. Krishnan Marg, Pusa New Delhi - 110 012 Delhi	1788.50	36
2874	System design, erection, testing & commissioning of 40 kWth & 10 kWe pilot plant aiming at the feasibility study of Mwe scale concentrated solar thermal plant integrated with 24x7 thermal energy storage	MNRE-RETD	Sethi,V.K., Dr. (M) Ram Krishna Dharmarth Foundation University Bhopal - 462 033 Madhya Pradesh	81.50	36

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2875	Assessment of landfill gas recovery & utilization & reduction of GHG emission at the Madurai landfill, Tamil Nadu, India	MOEFCC-RDCD	Brindha,D., Dr. (M) Assistant Professor Thiagarajar College of Engineering Department of Civil Engineering Madurai - 625 105 Tamil Nadu	21.16	24
2876	Design development & evaluation of indigenous sensors based air quality monitoring system & data analysis using deep learning	MOEFCC-RDCD	Malini,R.R.H., Dr. (F) Professor & Head St. Peter's Institute of Higher Education and Research Department of Electrical & Electronics Engineering, Avadi Chennai - 600 054 Tamil Nadu	48.53	36
2877	Sustainable utilisation of industrial waste materials for the development of cementless ferrocement precast panels for impact load	MOEFCC-RDCD	Mohana,R., Dr. (M) Assistant Professor Mepco Schlenk Engineering College Department of Civil Engineering Sivakasi - 626 005 Tamil Nadu	22.88	36
2878	Computational feasibility studies on the development of high temperature Superconducting Magnetic Energy Storage (SMES) systems	MOP-RSoP	Dondapati,R.S., Dr. (M) Associate Professor Lovely Professional University School of Mechanical Engineering Phagwara - 144 411 Punjab	19.98	18
2879	Design & development of efficient induction cooker suitable for vessels of different material	MOP-RSoP	Porpandiselvi,S., Dr. (F) Assistant Professor National Institute of Technology (Warangal) Department of Electrical Engineering Warangal - 506 004 Telangana	14.28	18
2880	Design & development of improved control techniques for Unified Power Quality Conditioner with Distributed Generation (UPQC-DG)	MOP-RSoP	Mathur,H.D., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani) Department of Electrical & Electronics Engineering, Vidya Vihar Pilani - 333 031 Rajasthan	21.09	18
2881	Design & development of tools for detection & prevention of cyber-attacks in smart grid Energy Management System (EMS)	MOP-RSoP	Bera,P., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Department of Computer Science & Engineering, School of Electrical Sciences Bhubaneswar - 752 050 Odisha	49.92	18
2882	Design of fault tolerance & reconfiguration control for megawatt power electronic converters fed variable speed pumped storage unit	MOP-RSoP	Chelliah,T.R., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Department of Water Resource Development & Management Roorkee - 247 667 Uttarakhand	48.25	18
2883	Design, implementation & analysis of wireless power transfer & PV system for battery charging of passenger e-Bus	MOP-RSoP	Nayak,P.S.R., Dr. (M) Assistant Professor National Institute of Technology (Tiruchirappalli) Department of Electrical & Electronics Engineering Tiruchirappalli - 620 015 Tamil Nadu	32.40	18
2884	Design, operation, & control of Distributed Generation (DG) integrated Unified Power Quality Conditioner (UPQC) in electric grid	MOP-RSoP	Kumar,C., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Department of Electronics & Electrical Engineering, Room No. 212, New Extension Block Guwahati - 781 039 Assam	32.28	18
2885	Development of electricity based clean & efficiently cooking technology suitable for Indian cookware	MOP-RSoP	Chattopadhyay,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Department of Electrical Engineering, N-216 Kharagpur - 721 302 West Bengal	36.21	18
2886	Development of plasma torch for efficient disposal of municipal solid waste	MOP-RSoP	Mistry,K.K., Dr. (M) Principal Scientist CSIR-Central Mechanical Engineering Research Institute Department of Energy Research & Technology Group, Mahatma Gandhi Avenue Durgapur - 713 209 West Bengal	21.67	18

BROAD SUBJECT AREA : ENGINEERING AND TECHNOLOGY					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2887	Modular induction stove design for Indian cookware	MOP-RSoP	Vadali,M., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Department of Mechanical Engineering, Palaj Gandhinagar - 382 355 Gujarat	12.79	18
2888	The unsteady aerodynamic response in LP turbine blade & its control under part load conditions	MOP-RSoP	Dutta,S., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Department of Mechanical & Industrial Engineering Roorkee - 247 667 Uttarakhand	38.64	18
2889	Thermoelectric power generator for clean energy generation by recycling waste heat generated in power plant	MOP-RSoP	Maiti,T., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Department of Material Science Engineering, Kalyanpur Kanpur - 208 016 Uttar Pradesh	50.00	18
2890	Transmission line protection in the presence of bulk solar photo voltaic power plants	MOP-RSoP	Pradhan,A.K., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Department of Electrical Engineering Kharagpur - 721 302 West Bengal	48.40	18
Total Cost of 1503 Projects Under: <b>Engineering and Technology</b>				118,223.07	

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2891	Analytic methods to fractional dynamical systems	CSIR-ES	Sahadevan,R., Dr. (M) Madras University Ramanujan Institute for Advanced Study in Mathematics Chennai - 600 005 Tamil Nadu	10.20	36
2892	Development of wavelet based near-lossless 3D medical image compression technique for telemedicine services	CSIR-GS	Kalavathi,P., Dr. (F) Gandhigram Rural University Department of C S A Gandhigram - 624 302 Tamil Nadu	4.00	36
2893	Mathematical modeling of elastic waves in functional order thermoelastic solids with micro-configurations & intially stressed media	CSIR-GS	Gupta,S., Prof. (M) Indian Institute of Technology (Dhanbad) Department of Applied Mathematics Dhanbad - 826 004 Jharkhand	2.80	36
2894	Mathematical study of honeybee populations in random environment-linking disease & parasite	CSIR-GS	Mandal,P.S., Dr. (M) National Institute of Technology (Patna) Department of Mathematics Patna - 800 005 Bihar	1.65	36
2895	Modeling pre-lens & post-lens & tear film: Anisotropic porous medium approach	CSIR-GS	Sekhar,G.P.R., Prof. (M) Indian Institute of Technology (Kharagpur) Department of Mathematics Kharagpur - 721 302 West Bengal	2.60	36
2896	On the solutions of inhomogeneous burgers equations	CSIR-GS	Engu,S., Dr. (M) National Institute of Technology (Karnataka) Department of Mathematics & Computational Mangalore - 575 025 Karnataka	3.10	36
2897	Performance analysis of internet router with self-similar input traffic-transient (time dependent) queuing system with Markovian modelled input process	CSIR-GS	Reddy,P.M., Dr. (M) Kakatiya University Department of Mathematics Warangal - 506 009 Telangana	2.90	36
2898	Scientific & industrial applications of bioconvection via Mathematical modelling	CSIR-GS	Panda,M.K., Dr. (M) Indian Institute of Information Technology, Design & Manufacturing Jabalpur - 482 005 Madhya Pradesh	1.45	36
2899	Sustainable use of ecosystem services under global environmental change: Developing coupled social & ecological dynamics	CSIR-GS	Kar,T.K., Prof. (M) Indian Institute of Technology (Kharagpur) Department of Mathematics Howrah - 711 103 West Bengal	3.10	36
2900	Analysis & design of block ciphers	DRDO-ER & IPR	Tentu,A.N., Dr. (M) Assistant Professor C.R. Rao Advance Institute of Mathematics, Statistics & Computer Science Department of Crypto Hyderabad - 500 046 Telangana	99.51	30
2901	A framework for scalable high-order numerical schemes based on Galekin method	DST-MATRICES	Shivasubramanian,G., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
2902	A Mathematical model for large-scale flow-induced deformation of an elastic plate: Applications in thermal augmentation, energy harvesting & drag reduction	DST-MATRICES	Bhardwaj,R., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
2903	A Mathematical study of Intuitionistic fuzzy set with applications in pattern recognition, machine learning & image processing	DST-MATRICES	Lohani,Q.D., Dr. (M) Assistant Profesor South Asian University New Delhi - 110 021 Delhi	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2904	A study of first order methods in scalar & vector optimization	DST-MATRICES	Dutta,J., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
2905	A study of harmonic analogue of certain univalent & analytic functions	DST-MATRICES	Allu,V.R., Dr. (M) Associate Professor Indian Institute of Technology (Bhubaneswar) Bhubaneswar - 752 050 Odisha	6.60	36
2906	A study of two weighted zero-sum constants in finite abelian groups	DST-MATRICES	Chintamani,M.N., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	6.60	36
2907	A study on geometric vitality function of ordered random variables	DST-MATRICES	Sathar,E.A., Dr. (M) Associate Professor Kerala University Thiruvananthapuram - 695 034 Kerala	6.60	36
2908	A study on non-parametric regression	DST-MATRICES	Das,S.S., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
2909	A study on proper cones with applications to Mathematical programming	DST-MATRICES	Arumugasamy,C., Dr. (M) Assistant Professor Central University of Tamil Nadu Thiruvavur - 610 005 Tamil Nadu	6.60	36
2910	A unified secrecy performance analysis of D2D communications in CR network with wireless power transfer	DST-MATRICES	Singh,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Jammu - 181 221 Jammu & Kashmir	6.60	36
2911	A variation approach to driven dissipative topological system	DST-MATRICES	Bera,S., Dr. (F) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
2912	Additional scalars, neutrinos & the origin of the universe: The dark connection	DST-MATRICES	Rakshit,S., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Indore - 452 011 Madhya Pradesh	6.60	36
2913	Algebra-analytic methods for rudimentary models of computation	DST-MATRICES	Chattopadhyay,A., Dr. (M) Associate Professor Tata Institute of Fundamental Research Mumbai - 400 005 Maharashtra	6.60	36
2914	Algorithmic studies on Geometric covering problems to find a placement of facilities for smart city planning	DST-MATRICES	Mahapatra,P.S., Prof. (M) Kalyani University Kalyani - 741 235 West Bengal	6.60	36
2915	Algorithmic study of upper domatic number	DST-MATRICES	Paul,S., Dr. (M) Assistant Profesor Indian Institute of Technology (Patna) Patna - 801 106 Bihar	6.60	36
2916	Almost & generalized complex structures on principal bundles	DST-MATRICES	Thakur,A.R., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
2917	An efficient measure of network synchronizability with applications	DST-MATRICES	Majumdar,K.K., Dr. (M) Professor Indian Statistical Institute Bengaluru - 560 059 Karnataka	6.60	36
2918	An iterated symplectic map for understanding Hamiltonian chaos	DST-MATRICES	Mehta,M.P., Dr. (F) Assistant Professor Ahmedabad University Ahmedabad - 380 009 Gujarat	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2919	Analytical study of delta shock waves for certain hyperbolic system of conservation laws	DST-MATRICS	Sekhar,T.R., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	6.60	36
2920	Anomalies & topological phases in low dimensional correlated systems	DST-MATRICS	Durganandini,P., Dr. (F) Savitribai Phule Pune University Pune - 411 007 Maharashtra	6.60	36
2921	Apery-like numbers, hypergeometric functions & related supercongruences	DST-MATRICS	Kalita,G., Dr. (M) Associate Professor Indian Institute of Information Technology Guwahati - 781 001 Assam	6.60	36
2922	Application of Algebra in cryptanalysis of polynomial based image secret sharing schemes under different adversarial models: Few efficient remedies in different cheating scenarios	DST-MATRICS	Adhikari,A., Dr. (M) Professor Presidency University Kolkata - 700 073 West Bengal	6.60	36
2923	Application of non-convex game in demand side management of an electric utility	DST-MATRICS	Parida,S.K., Dr. (M) Associate Professor Indian Institute of Technology (Patna) Patna - 801 106 Bihar	6.60	36
2924	Arithmetic of elliptic curve & Selmer group	DST-MATRICS	Jha,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
2925	Astrophysics & cosmology in ghost free bi-metric gravity	DST-MATRICS	Sen,A.A., Dr. (M) Professor Jamia Millia Islamia New Delhi - 110 025 Delhi	6.60	36
2926	Asymptotic solution of Fokker-Planck equation for spatially nonlinear time periodic electric fields in Paul traps	DST-MATRICS	Shah,K.K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	6.60	36
2927	Banch Algebras of harmonic analysis on groups & semigroups with weights	DST-MATRICS	Dabhi,P.A., Dr. (M) Associate Professor Institute of Infrastructure Technology Research & Management Ahmedabad - 380 026 Gujarat	6.60	36
2928	Beyond sequence approximations in Ising-like models of protein folding: The block-matrix method	DST-MATRICS	Naganathan,A.N., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.60	36
2929	Black-holes in modified gravity theories	DST-MATRICS	Shankaranarayanan,S., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
2930	Cauchy-poisson initial value problem for capillary-gravity waves with vorticity	DST-MATRICS	Dasgupta,R., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
2931	Causal inference for compositional data structures	DST-MATRICS	Mandal,S., Dr. (M) Research Scientist Centre for Chronic Disease Control New Delhi - 110 016 Delhi	6.60	36
2932	Certain inverse problems associated with the sum of dilated sets of integers	DST-MATRICS	Pandey,R.K., Prof. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	6.60	36

## BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2933	Certain shape optimization problems	DST-MATRICES	Chorwadwala,A.M.H., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	6.60	36
2934	Chaos & dynamical localization in an interacting many-body system with a classical limit	DST-MATRICES	Santhanam,M.S., Dr. (M) Professor Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	6.60	36
2935	Chern-simons invariants & vertex models	DST-MATRICES	Ramadevi,P., Dr. (F) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
2936	Closed form explicit solutions on Brownian movement of micelle dynamics with hydrophobic interaction	DST-MATRICES	Pandit,A.B., Dr. (M) Institute of Chemical Technology Mumbai - 400 019 Maharashtra	6.60	36
2937	Coding techniques for distributed computing	DST-MATRICES	Natarajan,L.P., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Hyderabad - 502 285 Telangana	6.60	36
2938	Complex dynamics of simple nonlinear mechanical systems & their applications	DST-MATRICES	Balakrishnan,J., Prof. (F) National Institute of Advanced Studies Bengaluru - 560 012 Karnataka	6.60	36
2939	Computational screening of 2D materials for applications in integrated circuits	DST-MATRICES	Mahapatra,S., Dr. (M) Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	6.60	36
2940	Computational social science for crisis and disaster management	DST-MATRICES	Maulik,U., Dr. (M) Reader Jadavpur University Kolkata - 700 054 West Bengal	6.60	36
2941	Computational studies on the weak interactions	DST-MATRICES	Bhattacharya,P.K., Dr. (M) Principal Arya Vidyapeeth College Guwahati - 781 016 Assam	6.60	36
2942	Constrained fenchel conjugate approach for adaptive low-rank & sparse decomposition	DST-MATRICES	Seelamantula,C.S., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	6.60	36
2943	Constructing feasible trajectories on manifolds for UAV applications using euclidean embedding	DST-MATRICES	Banavar,R.N., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
2944	Construction of new error-correcting codes from graphs	DST-MATRICES	Durairajan,C., Dr. (M) Associate Professor Bharathidasan University Tiruchirappalli - 620 024 Tamil Nadu	6.60	36
2945	Controlling extreme content in social media: Net neutrality & regulation	DST-MATRICES	Chowdhury,P.R., Prof. (M) Indian Statistical Institute New Delhi - 110 016 Delhi	6.60	36
2946	Cryptography with minimal communication	DST-MATRICES	Patra,A., Dr. (F) Assistant Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	6.60	36
2947	Cyber-physical attack resilience based coherent power management in smart districts (ECONOMETRICS)	DST-MATRICES	Jain,T., Dr. (M) Associate Professor Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	6.60	36

## BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
2948	Data analysis of split questionnaires for conducting surveys for population studies using novel Statistical measures and visualizations	DST-MATRICS	Nair,J.S., Dr. (M) Professor International Institute of Information Technology Bengaluru - 560 100 Karnataka	6.60	36
2949	Density Functional Theory (DFT) investigation of metalloisoporphyrins as near infra-red dyes & photosensitizers for photodynamic therapy and iron(iii) isoporphyrins as alternatives to iron(iv)-oxo porphyrin $\pi$ -cation radical	DST-MATRICS	Bhuyan,J., Dr. (M) Assistant Professor North Eastern Regional Institute of Sciences & Technology Itanagar - 791 109 Arunachal Pradesh	6.60	36
2950	Design & analysis of some fast Steiner tree Algorithms	DST-MATRICS	Karmakar,S., Dr. (F) Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	6.60	36
2951	Design of feedback controllers for safe operations of autonomous systems	DST-MATRICS	Saha,I., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
2952	Design, development & characterization of low-loss, frequency-selective metamaterial waveguide, coupler & antenna for 5G applications	DST-MATRICS	Dwivedi,S., Dr. (F) Assistant Professor Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	6.60	36
2953	Designing a perfect interview/exam using multi-armed bandit methods	DST-MATRICS	Juneja,S.K., Dr. (M) Senior Professor Tata Institute of Fundamental Research Mumbai - 400 005 Maharashtra	6.60	36
2954	Designing efficient Algebraic activation functions in deep learning for classification of Electroencephalography (EEG) data	DST-MATRICS	Edla,D.R., Dr. (M) Associate Professor National Institute of Technology (Goa) Goa - 403 401 Goa	6.60	36
2955	Developing coarse-grained models for understanding the self-assembly of the MS2 bacteriophage virus	DST-MATRICS	Gosavi,S.S., Dr. (F) National Centre for Biological Sciences Bengaluru - 560 065 Karnataka	6.60	36
2956	Development of a computational model for reentry trajectory analysis of space debris	DST-MATRICS	Kumar,R., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
2957	Development of a hybrid approach for high-throughput screening of materials	DST-MATRICS	Singh,J.K., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
2958	Development of a new Algorithm for finding modules in a graph with applications	DST-MATRICS	Manimaran,P., Dr. (M) Associate Professor Hyderabad University Hyderabad - 500 046 Telangana	6.60	36
2959	Development of a novel workflow of Quantitative Read-Across (QRA) analysis for application as a non-testing method in regulatory toxicology	DST-MATRICS	Roy,K., Dr. (M) Associate Professor Jadavpur University Kolkata - 700 054 West Bengal	6.60	36
2960	Development of computational models of mechanical properties of self-similar fiber networks	DST-MATRICS	Rawal,A., Dr. (M) Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
2961	Development of forecasting models for Dengue & Chikungunya in the Pune region	DST-MATRICS	Shil,P., Dr. (M) Scientist National Institute of Virology Pune - 411 021 Maharashtra	6.60	36



## BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2962	Development of hybrid numerical tools to study the electrokinetic transport of bio-colloids	DST-MATRICES	Gopmandal,P.P., Dr. (M) Assistant Professor National Institute of Technology (Durgapur) Durgapur - 713 209 West Bengal	6.60	36
2963	Development of machine learning based methods for in-silicon high throughput screening of catalyst materials utilizing quantum mechanical density functional theory calculations	DST-MATRICES	Haider,M.A., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
2964	Development of multi-criteria decision making approaches for real-world decision situations under uncertainty	DST-MATRICES	Mehlawat,M.K., Dr. (M) Assistant Professor Delhi University Delhi - 110 007 Delhi	6.60	36
2965	Development of theory & Algorithms to Non-Convex optimization problems	DST-MATRICES	Rao,K.S.M., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
2966	Development of three-dimensional analytical solutions for elastic laminated & piezoelectric shells subjected to levy-type boundary conditions using Extended Kantorovich method	DST-MATRICES	Kumari,P., Dr. (F) Associate Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	6.60	36
2967	Development tuned estimation methodologies for modeling non sampling errors in survey sampling	DST-MATRICES	Priyanka,K., Dr. (F) Associate Professor Delhi University Shivaji College New Delhi - 110 027 Delhi	6.60	36
2968	Diffuse interface immersed boundary/finite volume framework for compressible viscous flows	DST-MATRICES	Natarajan,G., Dr. (M) Associate Professor Indian Institute of Technology (Palakkad) Kozhippara - 678 557 Kerala	6.60	36
2969	Diffusion of embedded proteins in cell membranes: A theoretical framework to guide computer simulations	DST-MATRICES	Sengupta,N., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia - 741 246 West Bengal	6.60	36
2970	Digital signal processing based optimized approaches to identify replication origin regions in eukaryotic genomes	DST-MATRICES	Rizvi,A.Z., Dr. (M) Associate Professor Mewar University Chittorgarh - 312 901 Rajasthan	6.60	36
2971	Dipolar & hydrodynamic effects in ferronematics	DST-MATRICES	Banerjee,V., Prof. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
2972	Discontinuous virtual element approximation for non-stationary fluid flow problems	DST-MATRICES	Kumar,S., Dr. (M) Associate Professor Indian Institute of Space Science & Technology Thiruvananthapuram - 695 547 Kerala	6.60	36
2973	Dynamical signatures of transcriptional noise sources	DST-MATRICES	Ghosh,A., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia - 741 246 West Bengal	6.60	36
2974	Dynamics & spatio-temporal spread of perturbations in integrable models	DST-MATRICES	Kulkarni,M.S., Dr. (M) International Centre for Theoretical Sciences Bengaluru - 560 089 Karnataka	6.60	36
2975	Dynamics of wake behind 3D tapered & circular cylinder in vortex induced vibration subject to planar & span-wise shear	DST-MATRICES	De,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2976	Effect of change in coulomb stress on Gutenberg-Richter law for the seismicity of north east India region	DST-MATRICES	Baruah,S., Dr. (M) Senior Scientist CSIR-North East Institute of Science & Technology Jorhat - 785 006 Assam	6.60	36
2977	Effective field theory for physics beyond the standard mode	DST-MATRICES	Kundu,A., Dr. (M) Professor Calcutta University Kolkata - 700 073 West Bengal	6.60	36
2978	Effects of shifted preferences, media intervention & recruitment of brand ambassadors	DST-MATRICES	Ghosh,S.P., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
2979	Efficient methods for carrying out hybrid density-functional based Ab initio molecular dynamics simulations: Development & implementation	DST-MATRICES	Nair,N.N., Dr. (M) Assistant Profesor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
2980	Eigenvalues of linear & non-linear matrix valued functions: A study of inclusion regions, $\varepsilon$ -pseudo spectra & low rank perturbations	DST-MATRICES	Bora,S., Prof. (F) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	6.60	36
2981	Electronic structural properties of fluorescent metal nanoclusters	DST-MATRICES	Tandon,P., Dr. (F) Professor Lucknow University Lucknow - 226 007 Uttar Pradesh	6.60	36
2982	Emerging frontiers in applications of signed graph structures	DST-MATRICES	Sinha,D., Dr. (F) Professor South Asian University New Delhi - 110 021 Delhi	6.60	36
2983	Equivariant bundles over toric varieties	DST-MATRICES	Poddar,M., Prof. (M) Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	6.60	36
2984	Estimating error probabilities due to multiple event transients in circuits designed for space applications based on electrical, temporal & logical masking	DST-MATRICES	Mekie,J., Dr. (F) Associate Professor Indian Institute of Technology (Gandhinagar) Gandhinagar - 382 355 Gujarat	6.60	36
2985	Evolutionary implementation in large economies	DST-MATRICES	Mukherjee,S., Prof. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
2986	Existence & regularity of positive solutions of elliptic & parabolic double phase equations	DST-MATRICES	Koonijeti,S., Prof. (M) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
2987	Exploring fractal dimension as a technique to study facial expressions of emotions	DST-MATRICES	Bhushan,B., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
2988	Exploring the feasibility of search space minimization in drug designing system using mRNA-Ribosome Mathematical modeling & simulation	DST-MATRICES	Ghosal,P., Dr. (M) Associate Professor Indian Institute of Engineering Science & Technology Howrah - 711 103 West Bengal	6.60	36
2989	Explosive predator & mutualistic preys: A comparative study of pattern formation & the Turing-Hopf bifurcation before, on & after blow-up	DST-MATRICES	Jana,D., Dr. (M) S.R.M. University Kattankulathur - 603 203 Tamil Nadu	6.60	36

## BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
2990	Fast Algorithms for Eigen value problems and estimation in large dimensions	DST-MATRICES	Venkatapathi,M., Dr. (M) Associate Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	6.60	36
2991	Fast Algorithms for low-rank factorization	DST-MATRICES	Ambikasaran,S., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.60	36
2992	Fast solvers for the large linear systems & their convergence analysis in application to Page Rank problem	DST-MATRICES	Mishra,N., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Kanchipuram - 600 127 Tamil Nadu	6.60	36
2993	Fault-tolerance in priority evacuation & mutual visibility of mobile robots	DST-MATRICES	Mandal,P.S., Dr. (M) Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	6.60	36
2994	Fermionic Gaussian states	DST-MATRICES	Raman,S., Dr. (M) Professor Chennai Mathematical Institute Chennai - 603 103 Tamil Nadu	6.60	36
2995	Fluctuation & transport in the models of self-propelled particles	DST-MATRICES	Pradhan,P., Dr. (M) Assistant Professor S.N. Bose National Centre for Basic Sciences Kolkata - 700 106 West Bengal	6.60	36
2996	Formulation of a Mathematical model for the dynamical evolution of civilizations	DST-MATRICES	Dutta,K., Dr. (M) Assistant Professor Handique Girls College Guwahati - 781 001 Assam	6.60	36
2997	Fractal basins of convergence of the libration points in N+1 body problem with quasi homogeneous potential	DST-MATRICES	Aggarwal,R., Dr. (M) Principal Delhi University Deshbandhu College New Delhi - 110 019 Delhi	6.60	36
2998	Fractional intersecting families	DST-MATRICES	Mathew,R., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Sangareddy - 502 285 Telangana	6.60	36
2999	Frozen iterative methods for regularization of nonlinear ill-posed operator equations in banach spaces	DST-MATRICES	Mahale,P., Dr. (M) Professor Visvesvaraya National Institute of Technology (Nagpur) Nagpur - 440 010 Maharashtra	6.60	36
3000	Fundamental limitations for unordered signal sensing in the presence of noise	DST-MATRICES	Srinivasan,B., Prof. (M) Indian Institute of Technology (Gandhinagar) Gandhinagar - 382 355 Gujarat	6.60	36
3001	Fundamental tradeoffs in location unaware spatial field sensing	DST-MATRICES	Kumar,A., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3002	Generalized derivations & related maps on rings & Algebras with applications	DST-MATRICES	Ali,S., Dr. (M) Associate Professor Aligarh Muslim University Aligarh - 202 001 Uttar Pradesh	6.60	36
3003	Genome wide relative analysis of codon usage pattern for studying gene expression profile & identifying highly expressed genes in diverse plant species	DST-MATRICES	Sahoo,S., Dr. (M) Principal Dhruba Chand Halder College 24 South Parganas Kolkata - 743 372 West Bengal	6.60	36
3004	Geometry of random discrete structures	DST-MATRICES	Sen,S., Dr. (M) Assistant Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	6.60	36

## BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3005	Goodness of fit of statistical models	DST-MATRICS	Shalabh, Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
3006	Graded Hautus test for distributed parameter systems	DST-MATRICS	Pal,D., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3007	Graph Neural networks & their applications	DST-MATRICS	Raman,S., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Gandhinagar - 382 424 Gujarat	6.60	36
3008	Gravitational imprisonment: Trapped surfaces in gravitational collapse	DST-MATRICS	Chatterjee,A., Dr. (M) Assistant Professor Central University of Himachal Pradesh Kangra - 176 206 Himachal Pradesh	6.60	36
3009	Gravitational wave production during & after inflation: A complimentary goal	DST-MATRICS	Dutta,K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia - 741 246 West Bengal	6.60	36
3010	Hilbert series construction for effective field theories	DST-MATRICS	Chakraborty,J., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
3011	Identification problem for dynamic equation on time scale	DST-MATRICS	Abbas,S., Dr. (M) Associate Professor Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	6.60	36
3012	Image of locally finite and locally nilpotent derivations over the polynomial Algebra	DST-MATRICS	Kour,S., Prof. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
3013	Image specific multi-well potential in parabolic PDE based gray scale image inpainting	DST-MATRICS	Rathishkumar,B.V., Dr. (M) Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
3014	Immanent of Q-Laplacian of trees	DST-MATRICS	Sivasubramanian,K., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3015	Impact of Error Control Code (ECC) on characteristic distance for Underwater Wireless Sensor Network (UWSN) & study of energy outage duration for energy harvested UWSN using Markov model	DST-MATRICS	Hossain,A., Dr. (M) Assistant Professor National Institute of Technology (Silchar) Silchar - 788 010 Assam	6.60	36
3016	Imprecision & uncertainties in quantum measurements: A theoretical study using the large deviation theory	DST-MATRICS	Gupta,S., Dr. (M) Assistant Professor Ramakrishna Mission Vivekananda Educational & Research Institute Howrah - 711 202 West Bengal	6.60	36
3017	Improved estimation based on records	DST-MATRICS	Arshad,M., Dr. (M) Aligarh Muslim University Aligarh - 202 002 Uttar Pradesh	6.60	36
3018	Improving spherical potential based Density Functional methods to achieve full potential accuracy	DST-MATRICS	Alam,A., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3019	Impulse control strategies in differential games with applications in cyber security	DST-MATRICS	Reddy,P.V., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.60	36
3020	Inference problems in reliability	DST-MATRICS	Dewan,I., Dr. (F) Professor Indian Statistical Institute New Delhi - 110 016 Delhi	6.60	36
3021	Infinite product representations of modular forms	DST-MATRICS	Bhand,A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	6.60	36
3022	Information entropy in free & confined non-central potentials	DST-MATRICS	Roy,A.K., Dr. (M) Professor Indian Institute of Science Education & Research (Kolkata) Nadia - 741 246 West Bengal	6.60	36
3023	Instability, rupture, & pattern dynamics of thin viscous films	DST-MATRICS	Lakkaraju,R., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	6.60	36
3024	Interacting URN processes & their application to opinion dynamics	DST-MATRICS	Sahasrabudhe,N., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Mohali) Mohali - 140 306 Punjab	6.60	36
3025	Internet of energy based interactive residential load management system	DST-MATRICS	Kirthiga,M.V., Dr. (M) Associate Professor National Institute of Technology (Tiruchirappalli) Tiruchirappalli - 620 015 Tamil Nadu	6.60	36
3026	Invariant subspaces of a subclass of norm attaining operators	DST-MATRICS	Ramesh,G., Dr. (M) Professor Indian Institute of Technology (Hyderabad) Sangareddy - 502 285 Telangana	6.60	36
3027	Inverse problems for p-Laplace equation on manifold	DST-MATRICS	Kar,M., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	6.60	36
3028	Investigation of efficient solutions for solving Elliptic Curve Discrete Logarithm Problem (ECDLP) & its applications in cryptography	DST-MATRICS	Das,A.K., Dr. (M) Associate Professor International Institute of Information Technology Hyderabad - 500 032 Telangana	6.60	36
3029	Investigation of multistability in feedback regulated nonlinear systems	DST-MATRICS	Barik,B., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	6.60	36
3030	Investigation of Prediction models & privacy-aware user interest dynamics in physical activity recommender system with heterogeneous data sources	DST-MATRICS	Subramaniaswamy,V., Dr. (M) Senior Assistant Professor SASTRA University Thanjavur - 613 401 Tamil Nadu	6.60	36
3031	Ising & Potts measures on large sparse graphs	DST-MATRICS	Basak,A., Dr. (M) Reader International Centre for Theoretical Sciences Bengaluru - 560 089 Karnataka	6.60	36
3032	Lacunary maximal functions for Dunkl operators	DST-MATRICS	Parui,S., Dr. (M) Reader F National Institute of Science Education & Research Bhubaneswar - 751 005 Odisha	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3033	Layer resolving numerical schemes & their analysis for certain class of singular perturbation problems with smooth & nonsmooth data	DST-MATRICS	Rao,S.C.S., Dr. (M) Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
3034	Limit theorems in URN models	DST-MATRICS	Maulik,K., Dr. (M) Associate Professor Indian Statistical Institute Kolkata - 700 108 West Bengal	6.60	36
3035	Linear stability analysis of interface dynamics in two phase jets	DST-MATRICS	Banerjee,J., Prof. (M) Sardar Vallabhbhai National Institute of Technology Surat - 395 007 Gujarat	6.60	36
3036	Local & global statistics for Sato-Tate sequences	DST-MATRICS	Sinha,K., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	6.60	36
3037	Magneto-electric & thermal transport phenomena in topological materials	DST-MATRICS	Agarwal,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
3038	Mathematical analysis of the vulnerability of soil carbon to global warming	DST-MATRICS	Bagchi,S., Dr. (M) Associate Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	6.60	36
3039	Mathematical approach for reliability evaluation of non-series parallel systems	DST-MATRICS	Malik,S.C., Dr. (M) Professor Maharshi Dayanand University Rohtak - 124 001 Haryana	6.60	36
3040	Mathematical foundations of infinite - State transition systems	DST-MATRICS	Akshay,S., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3041	Mathematical model for multidimensional multilayer networks using quantum mechanics	DST-MATRICS	Singh,A., Dr. (M) Assistant Professor National Institute of Technology (Delhi) New Delhi - 110 040 Delhi	6.60	36
3042	Mathematical modeling & analysis of food webs	DST-MATRICS	Poria,S., Dr. (M) Professor Calcutta University Kolkata - 700 073 West Bengal	6.60	36
3043	Mathematical modeling & performance analysis of non-orthogonal multiple access based underwater acoustic sensor networks	DST-MATRICS	Harigovindan,V.P., Dr. (M) Assistant Professor National Institute of Technology (Puducherry) Karaikal Puducherry - 609 609 Puducherry	6.60	36
3044	Mathematical modeling & simulation of flame propagation in metal-liquid oxidizer energetic materials	DST-MATRICS	Sundaram,D., Dr. (M) Associate Professor Indian Institute of Technology (Gandhinagar) Gandhinagar - 382 355 Gujarat	6.60	36
3045	Mathematical modeling of concrete structures under combined blast & impact loading	DST-MATRICS	Adhikary,S.D., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Dhanbad - 826 004 Jharkhand	6.60	36
3046	Mathematical modeling of stationary heat diffusion in heterogeneous materials	DST-MATRICS	Husain,A., Dr. (M) Associate Professor B.M.L. Munjal University Gurgaon - 122 413 Haryana	6.60	36
3047	Mathematical study of anomalous diffusion processes via partial differential equations	DST-MATRICS	Dubey,S., Ms. (F) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3048	Matrix models & their applications in Physics & Mathematics	DST-MATRICS	Dutta,S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	6.60	36
3049	Mixture reliability analysis of remanufactured products	DST-MATRICS	Mondal,S., Prof. (M) Indian Institute of Technology (Dhanbad) Dhanbad - 826 004 Jharkhand	6.60	36
3050	Modeling & control of the Hinglish invasion in India: A Mathematical study	DST-MATRICS	Kumari,N., Ms. (F) Indian Institute of Technology (Mandi) Mandi - 175 005 Himachal Pradesh	6.60	36
3051	Modeling of climate change impact on grapes yield & quality along with disease management in Tamil Nadu	DST-MATRICS	Eswari,A., Dr. (M) Assistant Professor Horticultural College & Research Institute Kanchipuram - 625 604 Tamil Nadu	6.60	36
3052	Modeling of major weather disturbances, especially cyclones, using deep neural networks	DST-MATRICS	Das,S., Dr. (M) Assistant Professor Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	6.60	36
3053	Modeling of the environmental sensor data recovery problem as a multi-way tensor completion problem & solve it by deriving the adaptive optimal orthogonal matrices	DST-MATRICS	Gupta,G.P., Dr. (M) Assistant Professor National Institute of Technology (Raipur) Raipur - 492 010 Chhattisgarh	6.60	36
3054	Modeling the network structure & riskiness of Indian financial system	DST-MATRICS	Ahmad,W., Dr. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
3055	Monotonicity, log-convexity and turan-type inequalities of certain generalized special functions	DST-MATRICS	Parmar,R.K., Dr. (M) Assistant Professor University College of Engineering & Technology (Bikaner) Bikaner - 334 004 Rajasthan	6.60	36
3056	Moser-Trudinger type inequalities	DST-MATRICS	Roy,P., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
3057	Non-modal stability of free surface fluid flows	DST-MATRICS	Samanta,A., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
3058	Novel numerical methods for fractional order systems simulation	DST-MATRICS	Kundu,M., Dr. (F) Associate Professor National Institute of Technology (Rourkela) Rourkela - 769 001 Odisha	6.60	36
3059	Nucleation & growth in varying Geometrical situations	DST-MATRICS	Das,S.K., Dr. (M) Professor Jawaharlal Nehru Centre for Advanced Scientific Research Bengaluru - 560 064 Karnataka	6.60	36
3060	Numerical analysis of electroviscous effects in multilayer complex fluids flow through a microfluidic device	DST-MATRICS	Bharti,R.P., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	6.60	36
3061	Numerically solving a singular integral equation when the reciprocal of the solution lies in the integrand	DST-MATRICS	Singh,G., Prof. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3062	On graph induced symbolic dynamics	DST-MATRICES	Sharma,P., Dr. (M) Associate Professor Indian Institute of Technology (Jodhpur) Jodhpur - 342 037 Rajasthan	6.60	36
3063	On pareto Eigen value of distance Matrix of connected graphs	DST-MATRICES	Nath,M., Prof. (M) Associate Professor Tezpur University Tezpur - 784 028 Assam	6.60	36
3064	On Rogers-Ramanujan-Slater type identities & related topics in Partition theory	DST-MATRICES	Rana,M., Dr. (F) Associate Professor Thapar Institute of Engineering & Technology Patiala - 147 004 Punjab	6.60	36
3065	On the efficiency of Lattice Boltzmann method for non-Newtonian fluid flows	DST-MATRICES	Dhinakaran,S., Dr. (M) Professor Indian Institute of Technology (Indore) Indore - 452 011 Madhya Pradesh	6.60	36
3066	On the fourier transform of log-normal distribution: An analytical approach	DST-MATRICES	Abir,R., Dr. (M) Assistant Professor Aligarh Muslim University Aligarh - 202 001 Uttar Pradesh	6.60	36
3067	Oriented diameter of graphs	DST-MATRICES	Rajendraprasad,D., Dr. (M) Associate Professor Indian Institute of Technology (Palakkad) Kozhippara - 678 557 Kerala	6.60	36
3068	Percolation properties of next-generation multi-hop networks	DST-MATRICES	Naveen,K.P., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) Tirupati - 517 506 Andhra Pradesh	6.60	36
3069	Point & interval estimation of some functional of the distribution function of identically distributed random variables & their sums with applications	DST-MATRICES	Dutta,S., Dr. (M) Professor Tezpur University Tezpur - 784 028 Assam	6.60	36
3070	Polynomials with integer coefficients divisible by cyclotomic polynomials	DST-MATRICES	Arikatla,S.R., Dr. (M) Associate Professor Shiv Nadar University Gautam Budh Nagar Greater Noida - 203 207 Uttar Pradesh	6.60	36
3071	Potential theory, ergodicity & infinite divisibility for subordinated stochastic processes	DST-MATRICES	Kumar,A., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Rupnagar - 140 001 Punjab	6.60	36
3072	Predicting chaos through machine learning: Theory & applications to monsoon forecasting	DST-MATRICES	Seshadri,A.K., Dr. (M) Assistant Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	6.60	36
3073	Primitive polynomials & cellular automata	DST-MATRICES	Das,S., Prof. (M) Professor Indian Institute of Engineering Science & Technology Howrah - 711 103 West Bengal	6.60	36
3074	Privacy preserving Smart contract based technique to perform secure computation in cloud storage: Design & analysis	DST-MATRICES	Tripathy,S., Dr. (M) Associate Professor Indian Institute of Technology (Patna) Patna - 801 103 Bihar	6.60	36
3075	Probability that an automorphism of a finite group fixes an element of the group	DST-MATRICES	Gumber,D.K., Dr. (M) Professor Thapar Institute of Engineering & Technology Patiala - 147 004 Punjab	6.60	36
3076	Probing eccentric binary black holes with LIGO detectors	DST-MATRICES	Pal,A.A., Dr. (F) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36



BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3077	Projective symmetry group classifications of quantum spin liquids & spin nemetics for systems with arbitrary spin	DST-MATRICES	Iqba,Y., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.60	36
3078	Pseudo-differential Calculus on the Affine group	DST-MATRICES	Dasgupta,A., Dr. (F) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
3079	Public vs private provision of public goods	DST-MATRICES	Singh,R., Dr. (M) Professor Delhi University Delhi - 110 007 Delhi	6.60	36
3080	Quantitative & Empirical methods in open source software evolution: Modeling & applications	DST-MATRICES	Singh,V.B., Dr. (M) Associate Professor Delhi University Delhi College of Arts & Commerce New Delhi - 110 023 Delhi	6.60	36
3081	Quantum cryptanalysis	DST-MATRICES	Sanadhya,S.K., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Rupnagar - 140 001 Punjab	6.60	36
3082	Quantum dynamical semigroups & perturbations	DST-MATRICES	Srivastava,S., Dr. (F) Professor Delhi University South Campus New Delhi - 110 021 Delhi	6.60	36
3083	Quantum non-Markovianity: Characterization, measure & resources	DST-MATRICES	Srikanth,R., Dr. (M) Associate Professor Poomaprajna Institute of Scientific Research Bengaluru - 562 110 Karnataka	6.60	36
3084	Quasi-permutation representations & Gelfand pair	DST-MATRICES	Prajapati,S.K., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Bhubaneswar - 752 050 Odisha	6.60	36
3085	Restricted proper edge colorings of graphs	DST-MATRICES	Basavaraju,M., Dr. (M) Associate Professor National Institute of Technology (Karnataka) Surathkal - 575 025 Karnataka	6.60	36
3086	Robust control approach to feedback control systems with uncertainty & communication delay	DST-MATRICES	Hote,Y.V., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	6.60	36
3087	Scalable Algorithms for constrained compositional optimization	DST-MATRICES	Rajawat,K., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
3088	Seismic imaging using inversion modeling	DST-MATRICES	Borah,K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Kolkata - 741 246 West Bengal	6.60	36
3089	Self-reciprocal polynomials from Dickson polynomials over finite fields & their applications	DST-MATRICES	Hasan,S.U., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Jammu - 181 221 Jammu & Kashmir	6.60	36
3090	Shear banding in complex fluids: Developing a microscopic understanding using a coarse-grained polymer model	DST-MATRICES	Chatterji,A., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	6.60	36
3091	Soft-theorems, S-Matrix & flat-space holography	DST-MATRICES	Banerjee,S., Dr. (M) Reader Institute of Physics Bhubaneswar - 751 005 Odisha	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3092	Soliton dynamics of the generalized nonlinear Schrödinger models in Parity-Time (PT) symmetric potentials	DST-MATRICS	Sarma,A.K., Dr. (M) Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	6.60	36
3093	Solution concepts for inventory games under asymmetric information	DST-MATRICS	Amit,R.K., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.60	36
3094	Solution to the fully competitive Michaelis-menten enzyme kinetic rate equations	DST-MATRICS	Murugan,R., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.60	36
3095	Some problems on metaplectic groups	DST-MATRICS	Balasubramanian,K., Dr. (M) Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	6.60	36
3096	Spectra of differential operators & the unified transform method	DST-MATRICS	Vasan,V., Dr. (M) Reader International Centre for Theoretical Sciences Bengaluru - 560 089 Karnataka	6.60	36
3097	Stability analysis of various dark energy models in the universe	DST-MATRICS	Debnath,U., Dr. (M) Assistant Professor Indian Institute of Engineering Science & Technology Howrah - 711 103 West Bengal	6.60	36
3098	Stability of a three-dimensional vortex with radial density stratification	DST-MATRICS	Dixit,H.N., Dr. (M) Associate Professor Indian Institute of Technology (Hyderabad) Sangareddy - 502 285 Telangana	6.60	36
3099	Stable numerical schemes for Relativistic fluid & plasma flows	DST-MATRICS	Kumar,H., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
3100	Statistical inference procedures for bivariate copula entropy	DST-MATRICS	Rajesh,G., Dr. (M) Professor Cochin University of Science & Technology Kochi - 682 022 Kerala	6.60	36
3101	Stiff polymer confined in vesicle: The case of sickle red blood cell	DST-MATRICS	Sain,A., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3102	Stochastic models for chronic Myeloid Leukemia	DST-MATRICS	Chakrabarty,S.P., Prof. (M) Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	6.60	36
3103	Stochastic thermodynamics of active particles & fields	DST-MATRICS	Chaudhuri,D., Prof. (M) Institute of Physics Bhubaneswar - 751 005 Odisha	6.60	36
3104	String geometry & phenomenology	DST-MATRICS	Maharana,A., Prof. (M) Associate Professor Harish-Chandra Research Institute Allahabad - 211 019 Uttar Pradesh	6.60	36
3105	Structure formation in the cosmological models & their astronomical constraints in the light of latest observations	DST-MATRICS	Pan,S., Dr. (M) Assistant Professor Presidency University Kolkata - 700 073 West Bengal	6.60	36
3106	Studies on stability & control of multi agent systems	DST-MATRICS	Ali,S., Mr. (M) Assistant Professor Thiruvalluvar University Vellore - 632 106 Tamil Nadu	6.60	36

## BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3107	Study of generalized transverse momentum-dependent distributions & wigner distributions of parton	DST-MATRICS	Dahiya,H., Dr. (F) Associate Professor Dr. B.R. Ambedkar National Institute of Technology Jalandhar - 144 011 Punjab	6.60	36
3108	Study of impicator based lattice valued automata	DST-MATRICS	Tiwari,S.P., Dr. (M) Associate Professor Indian Institute of Technology (Dhanbad) Dhanbad - 826 004 Jharkhand	6.60	36
3109	Study of nonlocal elliptic & parabolic problems with variable exponents	DST-MATRICS	Tiwari,S., Dr. (F) Associate Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	6.60	36
3110	Study of special types of transportation & assignment problems	DST-MATRICS	Dahiya,K., Dr. (F) Professor Panjab University Chandigarh - 160 014 Chandigarh	6.60	36
3111	Study of stochastic population models in presence of demographic stochasticity	DST-MATRICS	Mandal,P.S., Dr. (M) Assistant Professor National Institute of Technology (Patna) Patna - 800 005 Bihar	6.60	36
3112	Study of the adsorption behavior of flue-gas contaminants using first principle DFT simulations	DST-MATRICS	Bhatia,D., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
3113	Systems described by differential & algebraic equations together: Analysis &	DST-MATRICS	Tomar,N.K., Dr. (M) Associate Professor Indian Institute of Technology (Patna) Patna - 801 103 Bihar	6.60	36
3114	Text analytics using multilayer networks	DST-MATRICS	Bhatnagar,V., Dr. (F) Professor Delhi University Delhi - 110 007 Delhi	6.60	36
3115	The fractional quantum hall effect on a Torus	DST-MATRICS	Mandal,S.S., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	6.60	36
3116	The high-dimensional parametric complexity of the shortest path problem	DST-MATRICS	Radhakrishnan,J., Dr. (M) Senior Professor Tata Institute of Fundamental Research Mumbai - 400 005 Maharashtra	6.60	36
3117	The Hurwitz metric & univalent functions	DST-MATRICS	Sahoo,S.K., Dr. (M) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	6.60	36
3118	The Nevanlinna-pick interpolation problem & operator theory	DST-MATRICS	Pal,S., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3119	Theoretical analysis of sparse recovery for imaging under realistic noise models	DST-MATRICS	Rajwade,A.V., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3120	Theoretical investigation of run-and tumble motion in a noisy environment	DST-MATRICS	Chatterjee,S., Dr. (F) Assistant Professor S.N. Bose National Centre for Basic Sciences Kolkata - 700 098 West Bengal	6.60	36
3121	Theoretical prediction of minimum low oxygen flammability limit of polymers in microgravity	DST-MATRICS	Kumar,A., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3122	Theoretical studies of first passage problems in finite spaces	DST-MATRICS	Das,D., Dr. (M) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3123	Theoretical studies on understanding & tuning of some non-covalent interactions	DST-MATRICS	Chandra,A.K., Prof. (M) North-Eastern Hill University Shillong - 793 022 Meghalaya	6.60	36
3124	Time elapsed neuron network model with diffusion	DST-MATRICS	Tumuluri,S.K., Dr. (M) Associate Professor Hyderabad University Hyderabad - 500 046 Telangana	6.60	36
3125	Topological insulators & superconductors	DST-MATRICS	Das,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Kolkata) Nadia - 741 246 West Bengal	6.60	36
3126	Topological transformation of elastic surfaces	DST-MATRICS	Gupta,A., Dr. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	6.60	36
3127	Trace formulae & multivariable operator theory	DST-MATRICS	Chattopadhyay,A., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	6.60	36
3128	True relative of Suslin's normality theorem for elementary groups & transvection groups	DST-MATRICS	Chattopadhyay,P., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani) Hyderabad - 500 078 Telangana	6.60	36
3129	Tutte polynomials via free resolutions and sectional semi-rings of graphs	DST-MATRICS	Manjunath,M., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3130	Uncertainty partitioning and failure surface visualization for vulnerability assessment of civil systems	DST-MATRICS	Ghosh,J., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3131	Uncertainty quantification for diffusion models constructed in the form of kinetic networks	DST-MATRICS	Chatterjee,A., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3132	Uncertainty quantization & propagation of population balance models	DST-MATRICS	Kumar,J., Dr. (M) Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	6.60	36
3133	Understanding disordered traffic dynamics on Indian roads: Modeling & simulation	DST-MATRICS	Gupta,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Rupnagar - 140 001 Punjab	6.60	36
3134	Understanding group Algebras from the subgroup structure of the group	DST-MATRICS	Bakshi,G.K., Dr. (F) Professor Panjab University Chandigarh - 160 014 Chandigarh	6.60	36
3135	Understanding the origins of intermittency in turbulent flows	DST-MATRICS	Ray,S.S., Dr. (M) Reader International Centre for Theoretical Sciences Bengaluru - 560 089 Karnataka	6.60	36
3136	Understanding the unique structural dynamics of Dengue viral proteins through large scale molecular simulations	DST-MATRICS	Saha,A., Dr. (M) Professor & Head Calcutta University Kolkata - 700 073 West Bengal	6.60	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3137	Unified convex analytic approach for Network Information theory	DST-MATRICS	Kulkarni,A.A., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	6.60	36
3138	Unitary, similarity invariants & curvature inequalities for operators in the Cowen-Douglas class	DST-MATRICS	Keshari,D.K., Dr. (M) National Institute of Science Education & Research Bhubaneswar - 752 050 Odisha	6.60	36
3139	Valuing variable annuities with lifelong guarantees	DST-MATRICS	Dharmaraja,S., Dr. (M) Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.60	36
3140	Visibility based power spectrum estimation	DST-MATRICS	Bhardwaj,S., Dr. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	6.60	36
3141	W-Algebras and representations of affine KAC-Moody Algebras	DST-MATRICS	Viswanath,S., Prof. (M) Institute of Mathematical Sciences Chennai - 600 113 Tamil Nadu	6.60	36
3142	Water wave interactions with flexible structures	DST-MATRICS	Manam,S.R., Dr. (M) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	6.60	36
3143	WENO Reconstruction methods for compressible flows	DST-MATRICS	Raju,G.N., Dr. (M) Assistant Professor Visvesvaraya National Institute of Technology (Nagpur) Nagpur - 440 010 Maharashtra	6.60	36
3144	What is the next fundamental length scale of nature?	DST-MATRICS	Ghosh,D., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Pune - 411 008 Maharashtra	6.60	36
3145	Zeros of R-II type biorthogonal rational functions & corresponding numerical quadrature rules	DST-MATRICS	Swaminathan,A., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee - 247 667 Uttarakhand	6.60	36
3146	A study on generalizations of Euler's constant, gamma function & their P-adic counterparts	DST-SERB-CRG	Chatterjee,T., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	20.10	36
3147	A study on K-level metric bases for graphs: Theoretic & Algorithmic approaches	DST-SERB-CRG	Saha,L., Dr. (M) Assistant Professor Balurghat College Dakshin Dinajpur Balurghat - 733 101 West Bengal	25.70	36
3148	Advanced studies in generalized inverses of tensors	DST-SERB-CRG	Mishra,D., Dr. (M) Assistant Professor National Institute of Technology (Raipur) G.E. Road Raipur - 492 010 Chhattisgarh	12.46	36
3149	An attempt to solve the graph reconstruction conjecture using Ulam cards & pastings	DST-SERB-CRG	Ramachandran,S., Dr. (M) Professor Vivekananda College P.O. Agastheeswaram Kanya Kumari - 629 004 Tamil Nadu	20.87	36
3150	Average & relevant sampling in reproducing Kernel subspace of mixed Lebesgue space	DST-SERB-CRG	Sampath,S., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	28.80	36

## BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3151	Cellular automata models for propagation of Tsunami waves	DST-SERB-CRG	Mohamed,E.S., Dr. (M) Associate Professor B.S. Abdur Rahman Institute of Science & Technology NH 45, Seethakathi Estate, Vandalur Chennai - 600 048 Tamil Nadu	12.48	36
3152	Centralizers & conjugacy in Algebraic groups	DST-SERB-CRG	Singh,A.K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	28.76	36
3153	Complexities in the dynamics of anti-predator chemical defense in marine ecosystems	DST-SERB-CRG	Pal,S., Prof. (M) Kalyani University Block C Kalyani - 741 235 West Bengal	19.86	36
3154	Coupled Stochastic Partial Differential Equations (SPDE's) & Stochastic Differential Equations (SDE's)	DST-SERB-CRG	Bhaskaran,R., Prof. (M) Indian Statistical Institute 8th Mile Mysore Road, P.O. R.V.College Bengaluru - 560 059 Karnataka	27.69	36
3155	Development of uniformly convergent methods for two parameter singularly perturbed boundary value problems	DST-SERB-CRG	Kumar,D., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	16.87	36
3156	Ergodic properties of open dynamical systems	DST-SERB-CRG	Agarwal,N., Dr. (F) Associate Professor Indian Institute of Science Education & Research (Bhopal) Indore Bypass Road, Bhauri Bhopal - 462 023 Madhya Pradesh	24.44	36
3157	Extensions of wavelet packet transform to generalized functions	DST-SERB-CRG	Moorthy,R.S., Dr. (M) Assistant Professor Sr. Grade Amrita Vishwa Vidyapeetham Amritanagar, Ettimadai Coimbatore - 641 105 Tamil Nadu	19.65	36
3158	Factorizations of bounded analytic functions & kernels	DST-SERB-CRG	Sarkar,J., Prof. (M) HOU Indian Statistical Institute 8th Mile, Mysore Road Bengaluru - 560 059 Karnataka	28.91	36
3159	Functional classes & hyperbolic equations on Hilbert spaces	DST-SERB-CRG	Dasgupta,A., Dr. (F) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	27.86	36
3160	Generation of Statistical models using Concatenation	DST-SERB-CRG	Bhati,D., Prof. (M) Assistant Professor Central University of Rajasthan NH8, Bandar Sindri Ajmer - 305 801 Rajasthan	17.97	36
3161	Geometry, topology & quantization of certain moduli spaces	DST-SERB-CRG	Dey,R., Dr. (F) Associate Professor International Centre for Theoretical Sciences Tifr Survey No. 151, Shivakote, Hesaraghatta Hubli - 560 089 Karnataka	5.08	36
3162	Investigation of mechanisms of biological transport phenomena on cellular network utilizing analytical & computational tools	DST-SERB-CRG	Gupta,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussinpur Rupnagar - 140 001 Punjab	22.41	36
3163	Linear stability of the two dimensional boundary layer flow in non-Newtonian fluids	DST-SERB-CRG	Kudenatti,R.B., Dr. (M) Assistant Professor Bengaluru Central University Dr. Ambedkar Veedhi Bengaluru - 560 001 Karnataka	21.76	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3164	Magic & antimagic labeling of graphs	DST-SERB-CRG	Singh,T., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH 17b Bypass Road, Sancoale Zuarinagar - 403 726 Goa	19.55	36
3165	Modeling suspensions of active swimming micro-organisms under external gradients via bioconvection	DST-SERB-CRG	Panda,M.K., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Pandit Dwarka Prasad Mishra, Dumna Airport Road Jabalpur - 482 005 Madhya Pradesh	21.92	36
3166	Numerical approximation of optimal control problems using Virtual Element method	DST-SERB-CRG	Kumar,A., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Goa Campus, NH 178, Bypass Road Zuarinagar - 403 726 Goa	19.07	36
3167	Problems on blowup Algebras & Syzygies	DST-SERB-CRG	Kummini,M., Dr. (M) Associate Professor Chennai Mathematical Institute H1, Sipcot ITPark, Siruseri, Kelambakkam Chennai - 603 103 Tamil Nadu	28.16	36
3168	Spectral properties of perturbed biorthogonal polynomials generated by rational functions & their Q-analogue	DST-SERB-CRG	Swaminathan,A., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	26.37	36
3169	Study on the improved estimation of population size based on capture-recapture technique with applications to socio-economic, demographic & epidemiological surveillance counts	DST-SERB-CRG	Chatterjee,K., Dr. (M) Assistant Professor Bidhannagar College City Center, Eb-2, Sector 1, Bidhannagar Kolkata - 700 064 West Bengal	13.47	36
3170	Taylor column phenomena of axially translating sphere in a rotating fluid - A numerical study	DST-SERB-CRG	Sekhar,T.V.S., Prof. (M) Associate Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 013 Odisha	25.88	36
3171	Theory & applications of generalized inverses of Matrices	DST-SERB-CRG	Karantha,M.P., Prof. (M) Coordinator Manipal University Department of Mathematics, Manipal Academy of Higher Education Manipal - 576 104 Karnataka	19.55	36
3172	Thermokinetic transport & microfluidic mixing of Newtonian/non-Newtonian fluids through patterned micro systems	DST-SERB-CRG	Nayak,A.K., Dr. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	21.25	36
3173	Topological complexity of Lie groups & rationally formal spaces	DST-SERB-CRG	Chakraborty,P., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	22.41	36
3174	Understanding metabolic perturbation in cancer using Mathematical models	DST-SERB-CRG	Chatterjee,S., Dr. (M) Assistant Professor Translational Health Science & Technology Institute NCR Biotech Science Cluster, 3rd Milestone, Faridabad - Gurgaon Expressway Faridabad - 122 016 Haryana	18.47	36
3175	Mathematical & Statistical analysis of memory effect in disease transmission - A fractional calculus approach	DST-SERB-EMEQ	Sardar,T., Dr. (M) Assistant Professor Dinabandhu Andrews College 54, Raja S C Mallick Road, 24 Parganas (South) Kolkata - 700 084 West Bengal	21.30	36

BROAD SUBJECT AREA : MATHEMATICS					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3176	On Riesz difference sequence spaces of fractional order	DST-SERB-EMEQ	Yaying,T., Dr. (M) Assistant Professor Dera Natung Government College Itanagar - 791 113 Arunachal Pradesh	6.82	36
3177	Optimal control of population dynamical systems and epidemiology: An lmi approach	DST-SERB-EMEQ	Ramachandran,R., Dr. (M) Assistant Professor Alagappa University College Road, Alagappa Puram Karaikudi - 630 003 Tamil Nadu	14.13	36
3178	Study of some inequalities involving means, moments & variance with applications	DST-SERB-EMEQ	Kumar,R., Dr. (M) Assistant Professor Dr. B.R. Ambedkar National Institute of Technology Jalandhar - 144 011 Punjab	20.45	36
3179	Study of the role of pressure isotropy & anisotropy on relativistic compact stars	DST-SERB-EMEQ	Kumar,J., Dr. (M) Assistant Professor Central University of Jharkhand Ratu-Lohardaga Road, Brambe Ranchi - 835 205 Jharkhand	22.92	36
3180	Accelerated krylov subspace based solvers for fourier-galerkin based homogenization of periodic media & parallel implementations	DST-SERB-SRG	Mishra,N., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Melakottaiyur Village, Nellikuppam Road Chennai - 600 127 Tamil Nadu	13.90	24
3181	Adaptive & efficient method of fundamental solutions for the numerical reconstruction of boundary data in two-phase inverse Stefan problems	DST-SERB-SRG	Reddy,G.M., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	10.45	24
3182	Asymptotic analysis in a domain with strongly varying boundary	DST-SERB-SRG	Sardar,B.C., Dr. (M) Assistant Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	2.31	24
3183	Binding kinetics of hydro-dynamically interacting Brownian particles in linear viscoelastic medium	DST-SERB-SRG	Barua,A.K., Dr. (M) Assistant Professor Indian Institute of Technology (Dharwad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	12.08	24
3184	Characterization of graphs by spectra of its distance & resistance matrix & some problems related to matrix theory & graph theory	DST-SERB-SRG	Atik,F., Dr. (M) Assistant Professor S.R.M. University Ap Mangalagiri Neerukonda Tadikonda Road, Mangalagiri, Mandal Guntur - 522 502 Andhra Pradesh	12.90	24
3185	Dembowski-ostrom polynomials derived from Dickson polynomials over finite fields	DST-SERB-SRG	Hasan,S.U., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Road Jammu - 181 221 Jammu & Kashmir	11.80	24
3186	Mcomas: A multivariate computational lens for problems arising in multi-agent systems	DST-SERB-SRG	Gupta,S., Dr. (F) Assistant Professor National Institute of Science Education & Research Jatni, Khurda Bhubaneswar - 752 050 Odisha	5.51	24
3187	Numerical methods & error analysis for solving coagulation & non-linear fragmentation equations	DST-SERB-SRG	Kumar,R., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	9.63	24
3188	Partial migration phenomenon: A game theoretic approach to causes & environmental effects	DST-SERB-SRG	Mohapatra,A., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani) K.K. Birla Campus, NH17B Bypass Road, Sancoale Zuarinagar - 403 726 Goa	12.05	24



## BROAD SUBJECT AREA : MATHEMATICS

Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3189	Quantum symmetry of higher rank graphs & graph $C^*$ -Algebras	DST-SERB-SRG	Mandal,A., Dr. (M) Assistant Professor Presidency College 86/1 College Street Kolkata - 700 073 West Bengal	20.05	24
3190	Regression models for doubly inflated multivariate count data using copula	DST-SERB-SRG	Das,I., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post, Settipalli Tirupati - 517 506 Andhra Pradesh	9.79	24
3191	Space-time domain decomposition methods for non-linear Cahn-hilliard equation & their implementations in parallel computers	DST-SERB-SRG	Mandal,B.C., Dr. (M) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 752 050 Odisha	6.27	24
3192	Stability of periodic travelling waves of nonlinear Pdes modelling waves on the water surface	DST-SERB-SRG	Pandey,A.K., Dr. (M) Assistant Professor Indraprastha Institute of Information Technology Okhla Industrial Estate, Phase III New Delhi - 110 020 Delhi	14.77	24
3193	State estimation & fault diagnosis for differential-Algebraic nonlinear control systems	DST-SERB-SRG	Gupta,M.K., Dr. (M) Assistant Professor National Institute of Technology (Jamshedpur) Adityapur Jamshedpur - 831 014 Jharkhand	14.64	24
3194	Twisted conformal blocks with applications to moduli spaces	DST-SERB-SRG	Mukhopadhyay,S., Dr. (M) Reader Tata Institute of Fundamental Research Dr. Homi Bhabha Road, Navy Nagar, Colaba Mumbai - 400 005 Maharashtra	5.55	24
3195	Vertex transitive graphs & cayley graphs: Polycirculant conjecture, automorphism groups & other problems	DST-SERB-SRG	Das,A., Dr. (M) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	5.50	24
3196	Categorical accommodation of logic, algebra, topology & topological system	DST-WOS-A	Jana,P., Dr. (F) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	27.02	36
3197	Confluence of binomial coefficient & generalized Fibonacci numbers	DST-WOS-A	Shah,M.S., Ms. (F) Veer Narmad South Gujarat University Surat - 395 007 Gujarat	20.40	36
3198	Electronic structure & transport properties of some two-dimensional systems	DST-WOS-A	Chattopadhyay,S.R., Ms. (F) Savitribai Phule Pune University Pune - 411 007 Maharashtra	26.63	36
3199	Phase transition & non-linear evolution in cosmology	DST-WOS-A	Basu,R., Ms. (F) St. Xavier's College Park Street Kolkata - 700 016 West Bengal	19.63	36
Total Cost of 309 Projects Under: <b>Mathematics</b>				2,712.58	

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3200	A study on the temporal alterations of tau & ApoE expression & their role on seizure development in animal models of sporadic Alzheimer's disease	AICTE-RP	Krishna,K.L., Dr. (M) J.S.S. College of Pharmacy Sri Shivarathreeshwara Nagar Mysore - 570 015 Karnataka	11.80	36
3201	Detection & quantification of markers in kabasura kudineer & nilavembu kudineer for antiviral & antibacterial activity by preparative HPLC & HPTLC techniques	AICTE-RP	Aiyalu,R., Dr. (M) K.M.C.H. College of Pharmacy Kovai Estate, Kalapatti Road Coimbatore - 641 048 Tamil Nadu	2.92	36
3202	Development & evaluation of quercetin loaded nanostructured liquid crystalline dispersion for targeting skin cancer	AICTE-RP	Jalalpure,S., Dr. (M) K.L.E. College of Pharmacy J.N.Medical College Campus, Nehru Nagar Belgaum - 590 010 Karnataka	16.47	36
3203	Development of BRCA-1mimetic(s) for breast cancer therapy: An in-silico approach	AICTE-RP	Jubie,S., Dr. (F) J.S.S. College of Pharmacy P.B. No. 20, Rocklands, Ootacamund Nilgiris - 643 001 Tamil Nadu	7.00	36
3204	Development of enzymosomes of lysozymes for ocular delivery	AICTE-RP	Mazumder,A., Dr. (M) Noida Institute of Engineering & Technology 19, Knowledge Park-II, Institutional Area, Gautham Buddha Nagar Greater Noida - 201 306 Uttar Pradesh	15.29	36
3205	Development of novel chemically engineered chitosan based tumor-targeted nanoparticles as a platform drug delivery carrier in cancer diagnosis & therapy (theranostics)	AICTE-RP	Saini,T., Dr. (M) Shri Govindram Seksarai Institute of Technology & Science 23-Park Road Indore - 452 003 Madhya Pradesh	15.29	36
3206	Development of small peptide & peptoid as potential anti-cancer agent	AICTE-RP	Noolvi,M., Dr. (M) Shree Dhanvantary Pharmacy College Kudsad Road, KIM (East), TA-Olpad Surat - 394 110 Gujarat	11.00	36
3207	Development, characterization & food applications of guar korma protein concentrate	AICTE-RP	Patel,P., Dr. (M) Shree S.K. Patel College of Pharmaceutical Education & Research Ganpat University, Ganpat Vidyanagar, Mehsana - Gozaria Highway Mehsana - 384 012 Gujarat	11.45	36
3208	Evaluation & management of early stage cutaneous T-cells Lymphoma skin cancer cells by using antineoplastic drug loaded engineered microcarriers in topical formulations	AICTE-RP	Sharma,S., Dr. (M) Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy Bela Rupnagar - 140 111 Punjab	4.37	36
3209	Exploring herbal remedy for specific haemorrhagic disease through platelet enhancing activity	AICTE-RP	Kenganora,M., Dr. (M) J.S.S. College of Pharmacy Sri Shivarathreeshwara Nagar Mysore - 570 015 Karnataka	9.80	36
3210	Fragment based lead discovery of 7-Azaindole framework in the design of PARP inhibitors for its anticancer activity	AICTE-RP	Giles,D., Dr. (M) Acharya & B.M. Reddy College of Pharmacy Soldevanahalli Hesarghatta Main Road Bengaluru - 560 090 Karnataka	8.24	36
3211	Herbal nano suspension of ipomoea batatas leaf extract for supportive management for dengue	AICTE-RP	Timmakondur,S., Dr. (M) Al Shifa College of Pharmacy P.O. Poonthavanam , Kizhattur, Perintalmanna Malappuram - 679 325 Kerala	3.65	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3212	Microwave assisted synthesis, biological evaluation & molecular modeling studies of some novel quinoline-thiazolidin-4-one hybrids as antimalarial agents	AICTE-RP	Saraf,S., Dr. (M) Babu Banarasi Das Northern India Institute of Technology Sector- II, Dr. Akhilesh Das Nagar, Faizabad Road, Chinhat Lucknow - 226 028 Uttar Pradesh	11.18	36
3213	Novel multifunctional co-processed excipient(s) for solubility enhancement	AICTE-RP	Patravale,V., Dr. (F) Institute of Chemical Technology Nathalal Parekh Marg, Matunga Mumbai - 400 019 Maharashtra	7.00	36
3214	Preparation & evaluation silver nanoparticles impregnated biogenic sprayable gel for advanced wound care	AICTE-RP	Narang,R.K., Dr. (M) I.S.F. College of Pharmacy Ferozepur G.T. Road, Ghal Kalan Moga - 142 001 Punjab	12.94	36
3215	Triamcinolone acetonide nanoparticles using supercritical fluid technique as implicit therapeutic targets for retinal delivery to treat age related macular degeneration	AICTE-RP	Patel,J., Dr. (M) Nootan Pharmacy College S.P. Sahakar Vidyadham, Kamana Crossing, Mahesana Visnagar - 384 315 Gujarat	13.73	36
3216	Clinical & histo-pathological evaluation of Ayurvedic formulation in the management of oral submucous fibrosis	AYUSH-AYURVEDA	Pal,U.S., Dr. (M) Professor King George's Medical University Department of Oral & Maxillofacial Surgery, Faculty of Dental Sciences Lucknow - 226 003 Uttar Pradesh	22.44	36
3217	Effect of oral administration of Kalyankaghratamin pediatric spastic cerebral palsy	AYUSH-AYURVEDA	Pai,P., Dr. (F) Associate Professor Bharati Vidyapeeth University Department of Kaumara Bhritya, College of Ayurved, Dhankawadi Pune - 411 043 Maharashtra	36.82	36
3218	Evaluation of Ashtangahridayokta Brihatyadigana for their efficacy in preclinical model of acute renal failure in rats	AYUSH-AYURVEDA	Kumar,T.S., Dr. (M) Assistant Professor Tamil Nadu Veterinary & Animal Sciences University Department of Veterinary Biochemistry, Madras Veterinary College, Vepery Chennai - 600 007 Tamil Nadu	65.48	36
3219	A comprehensive evaluation of the anticancer efficacy & safety of hydrastis Canadensis Homeopathic sample	AYUSH-HOMOEOPATH	Rukkumani,R., Dr. (F) Assistant Professor Pondicherry University Department of Biochemistry & Molecular Biology, School of Life Sciences, Kalapet Puducherry - 605 014 Puducherry	58.27	36
3220	To investigate the mechanism of anti-cancer activity of Homeopathic preparation Arsenicum Iodatum & Arsenicum album in glioblastoma multiforme	AYUSH-HOMOEOPATH	Shrivastava,A., Dr. (M) Assistant Professor King George's Medical University Department of Molecular Biology, Center for Advanced Research Lucknow - 226 003 Uttar Pradesh	38.19	36
3221	Ameliorative potential of D5 chooranam spreptozotocin induced diabetic retinopathy	AYUSH-SIDDHA	Gunalan,G., Dr. (F) Research Officer Siddha Regional Research Institute Department of Bio-Chemistry, Chellaperumal Street, Kuyavarpalayam Puducherry - 605 013 Puducherry	68.24	36
3222	Effect of yoga practice on Natural Killer (NK) cells & their cytotoxicity on cancer cells	AYUSH-YOGA	Kochupillai,V., Dr. (M) Head Sri Sri Institute of Advanced Research Ved Vignan Maha Vidya Peeth Art of Living International Centre, 21st K.M, Kanakapura Road, Udayapura Bengaluru - 560 082 Karnataka	39.43	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3223	Analysis of protective effect of mesenchymal stem cell mitochondrial transfer on mutant Leber's Hereditary Optic Neuropathy (LHON) cells from mitochondrial damage	CSIR-GS	Devi,S.M., Dr. (F) Sankara Nethralaya S.N. ONGC Department of Genetics Molecular & Biology Chennai - 600 006 Tamil Nadu	16.00	36
3224	Clinical spectrum & molecular basis of thrombotic microangiopathies	CSIR-GS	Kulkarni,B.P., Dr. (M) National Institute of Immunohaematology Mumbai - 400 012 Maharashtra	16.25	36
3225	Deciphering the role of host-microbiota derived bile acids in programming immune cell function during intestinal inflammation	CSIR-GS	Jamma,T., Dr. (M) Birla Institute of Technology & Science (Pilani) Department of Biological Sciences Hyderabad - 500 078 Telangana	19.64	36
3226	Development of bioenhancer(s): An Ayurveda guided concept containing formulation(s) for improved oral bioavailability of folic acid	CSIR-GS	Bhusari,S.S., Dr. (M) Dr. Hari Singh Gour Central University Department of Chemical Technology Sagar - 470 003 Madhya Pradesh	13.54	36
3227	Developmental & functional aspects of newly identified CDB+ T-regulatory cells in tumor microenvironment	CSIR-GS	Gaurisankar,S.A., Prof. (M) Bose Institute Division of Molecular Medicine Kolkata - 700 054 West Bengal	21.00	36
3228	Exosomal cargo in modulating angiogenesis during RHD pathogenesis	CSIR-GS	Chakraborti,A., Prof. (F) Postgraduate Institute of Medical Education & Research Department of Experiment Medicine & Biology Chandigarh - 160 012 Chandigarh	20.00	36
3229	How beclin 1 mediates cross-talk between apoptosis & autophagy via its C-Terminal fragment?	CSIR-GS	Dubey,V.K., Prof. (M) Indian Institute of Technology (BHU) School of Biochemistry Engineering Varanasi - 221 005 Uttar Pradesh	18.00	36
3230	Impaired quality control of Connexin43 & decreased astrocyte gap junctional communication in a Mouse Hepatitis virus induced model of human neurological disease: Multiple sclerosis	CSIR-GS	Sarma,J.D., Dr. (F) Indian Institute of Science Education & Research (Kolkata) Department of Biological Sciences Mohanpur - 741 246 West Bengal	11.70	36
3231	Investigating the molecular mechanism of inhibition of dialysis related amyloidosis involving amyloid fibrils formation by Beta-2 microglobulin using molecules of herbal origin such as curcumin, EGCG, & resveratrol	CSIR-GS	Chaudhuri,T.K., Prof. (M) Indian Institute of Technology (Delhi) Kusuma School of Bioscience, Hauz Khas New Delhi - 110 016 Delhi	15.00	36
3232	Investigating the role of microbial lectins from pathogenic fungi & bacteria causing mycotic & bacterial Keratitis	CSIR-GS	Inamdar,S.R., Prof. (F) Karnatak University Department of Studies in Biochemistry Dharwad - 580 003 Karnataka	18.50	36
3233	Long non-coding RNA regulation: Role in Megakaryocyte development	CSIR-GS	Gutti,R.K., Dr. (M) Hyderabad University Department of Biochemistry Hyderabad - 500 046 Telangana	18.00	36
3234	MicroRNAs as novel biomarkers for the prediction of corneal graft rejection	CSIR-GS	Sharma,N., Dr. (F) All India Institute of Medical Sciences Department of Ophthalmology, Ansari Nagar New Delhi - 110 029 Delhi	9.00	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3235	Motor Neuron Diseases (MND) among Indian populations: A molecular genetic & functional analysis	CSIR-GS	Ashokkumar,B., Dr. (M) Madurai Kamaraj University Department of Genetic Engineering Madurai - 625 021 Tamil Nadu	20.50	36
3236	Nano-platform based carboplatin delivery in retinoblastoma by modulating bloodretinal barrier	CSIR-GS	Mandal,M., Dr. (M) Indian Institute of Technology (Kharagpur) School of Medical Science & Technology Kharagpur - 721 302 West Bengal	18.00	36
3237	Regulation of insulin signaling by dephosphorylation of AS160 & GSK3 beta & its possible implication in insulin resistant Diabetes in neuronal cells in vitro	CSIR-GS	Dey,C.S., Prof. (M) Indian Institute of Technology (Delhi) Kusuma School of Biosciences, Hauz Khas New Delhi - 110 016 Delhi	16.50	36
3238	Role of cellular oncoprotein, BRN3A in the progression of HPV induced uterine cervix malignancy & its regulatory mechanism	CSIR-GS	Roy,J.K., Prof. (M) Banaras Hindu University Department of Zoology Varanasi - 221 005 Uttar Pradesh	20.00	36
3239	Simple APTT based tests for differential diagnosis of Hemophilia A & B	CSIR-GS	Patil,R.K., Dr. (F) National Institute of Immunohaematology Department of Thrombosis & Haemostasis Mumbai - 400 012 Maharashtra	17.00	36
3240	Status of hydrogen sulphide producing enzymes, matrix metalloproteinases & MIR-22 in preeclampsia & their role in modulating trophoblast invasion	CSIR-GS	Dhingra,R., Prof. (F) All India Institute of Medical Sciences Department of Anatomy, Ansari Nagar New Delhi - 110 029 Delhi	15.00	36
3241	To study the expression of functional folate receptors in multiple myeloma & explore its potential in targeted therapy	CSIR-GS	Karmakar,S., Dr. (M) All India Institute of Medical Sciences Department of Biochemistry, Ansari Nagar New Delhi - 110 029 Delhi	16.50	36
3242	Understanding mirRNA mediated regulation of chemoresistance in Esophageal cancer	CSIR-GS	Sharma,R., Dr. (F) Guru Govind Singh Indraprastha University University School of Biotechnology New Delhi - 110 075 Delhi	21.29	36
3243	A cocktail of phages effective against urinary tract infections caused by biofilm forming MDR uropathogenic E. coli	DBT-R&D	Chopra,S.K., Dr. (M) Senior Scientist CSIR-Central Drug Research Institute Lucknow - 226 001 Uttar Pradesh	41.96	24
3244	A microneedle transdermal patch for supplementing critical micronutrients for prevention & control of Anemia	DBT-R&D	Rajadurai,M., Dr. (F) Research Scientist Dr. Reddy Institute of Life Sciences Hyderabad - 500 046 Telangana	67.91	36
3245	A multi-scale approach to combat the mechanisms of antimicrobial resistance through PPEF a known bacterial topoisomerase IA inhibitor	DBT-R&D	Rajulu,G.G., Dr. (M) Dept. Gen. Manager II Anthem Biosciences Private Limited Bengaluru - 560 099 Karnataka	759.51	36
3246	A systematic study of potassium channels in different macrophage populations & its significance in metabolic disorder	DBT-R&D	Upadhyay,S.K., Dr. (M) Assistant Professor Maharaja Sayajirao University of Baroda Vadodara - 390 001 Gujarat	61.27	36
3247	A systemic investigation on sub-compartment specific proteotoxicity in mitochondria & the adaptive response mechanisms	DBT-R&D	Raychaudhuri,S., Dr. (M) Head/Fellow CSIR-Centre for Cellular & Molecular Biology Hyderabad - 500 007 Telangana	84.78	36
3248	An efflux pump inhibitor mediated combination therapy to tackle bacterial multi-drug resistance: A pre-clinical development	DBT-R&D	Nandanwar,H.S., Dr. (M) Principal Scientist CSIR-Institute of Microbial Technology Chandigarh - 160 036 Chandigarh	67.99	24

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3249	Bio prospecting of medicinal plants of Sikkim Himalaya against cancer anologenesis	DBT-R&D	Mishra,D.P., Dr. (M) Principal Scientist CSIR-Central Drug Research Institute Lucknow - 226 001 Uttar Pradesh	110.92	36
3250	Biomolecular circuit design using RNA themometers	DBT-R&D	Sen,S., Dr. (M) Associate Professor Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	79.28	36
3251	Characterisation of DNA structures in regulatory regions in prokaryotes: An insilico approach	DBT-R&D	Bansal,M., Prof. (F) Senior Scientist Indian Institute of Science Bengaluru - 560 012 Karnataka	44.37	36
3252	Characterization of the genome-wide alterations associated with drug resistance in Candida tropicalis	DBT-R&D	Sanyal,K., Prof. (M) Jawaharlal Nehru Centre for Advanced Scientific Research Bengaluru - 560 064 Karnataka	222.24	36
3253	Characterization of transcriptional regulatory circuits of the methylotrophic yeast, pichia pastoris	DBT-R&D	Rangarajan,P.N., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	109.56	36
3254	Cross talk of sertoli cells & N glycosylation deficient germ cells - impact on male fertility	DBT-R&D	Biswas,B., Dr. (F) ICMR-National Institute for Research in Reproductive Health Mumbai - 400 012 Maharashtra	38.72	36
3255	Deciphering mechanisms of epigenetic reprogramming involved in macrophage polarization during host-pathogen interaction in experimental visceral Leishmaniasis	DBT-R&D	Kar,S., Dr. (M) Senior Scientist CSIR-Central Drug Research Institute Lucknow - 226 001 Uttar Pradesh	43.85	36
3256	Delineating the immune-Epithelial crosstalk in embryonic skin	DBT-R&D	Raghavan,S., Dr. (F) Institute for Stem Cell Biology & Regenerative Medicine	90.00	36
3257	Design & development of co-planar waveguide based wearable bio-sensor for medical application	DBT-R&D	Patel,P.N., Dr. (M) Associate Professor Sardar Vallabhbhai National Institute of Technology Surat - 395 007 Gujarat	17.57	24
3258	Design of a switchable system for controlled activation of the proteostasis network	DBT-R&D	Roy,I., Prof. (F) National Institute of Pharmaceutical Education & Research Mohali - 160 062 Punjab	154.80	36
3259	Designing & evaluation of point of care diagnostic assay for detection of MDR Tuberculosis using loop mediated isothermal amplification combined with lateral flow dipstick	DBT-R&D	Saluja,D., Prof. (F) Dr. B.R. Ambedkar Centre for Biomedical Research Delhi - 110 007 Delhi	74.83	24
3260	Determinants of excess alpha globin chain - as a central modifier of phenotypes in Beta Thalasemia	DBT-R&D	Ghosh,A., Dr. (M) Assistant Professor All India Institute of Medical Sciences Bhubaneswar - 751 019 Odisha	189.87	36
3261	Development of anti-diabetic drug through activation of AMPK signaling pathway based on berberine	DBT-R&D	Halder,R., Dr. (M) Professor Amity University Noida - 201 303 Uttar Pradesh	92.73	36
3262	Development of candidate RL348 for methicillin - & vancomycin - resistant Staphylococcus aureus	DBT-R&D	Chopra,S., Dr. (M) Senior Scientist CSIR-Central Drug Research Institute Lucknow - 226 001 Uttar Pradesh	20.52	18

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3263	Development of drug-seeds that target TFF3 in mammary gastric & hepatocellular carcinoma	DBT-R&D	Bhattacharjee,A., Dr. (M) Assistant Professor North-Eastern Hill University Shillong - 793 022 Meghalaya	95.80	36
3264	Development of novel therapeutic lead(s) against visceral Leishmaniasis through creation of privileged Diversity Oriented Synthetic (pDOS) library of small-molecules & study of their in-vitro/in-vivo activity against Leishmania	DBT-R&D	Roy,B.G., Dr. (M) Assistant Professor Sikkim University Gangtok - 737 102 Sikkim	77.67	36
3265	Development of plant based assay system for primary screening of lead molecule(s) from medicinal plant of Nagaland	DBT-R&D	Datta,S., Dr. (M) Professor Haldia Institute of Technology Hatiberi Midnapore - 721 657 West Bengal	94.64	36
3266	Development of Thiourea derivatives as antiviral agent for Hepatitis B virus infection	DBT-R&D	Kumar,V., Dr. (M) Professor Institute of Liver & Biliary Sciences New Delhi - 110 070 Delhi	97.04	36
3267	Elucidating the role of SIRT2 in regulation of protein synthesis	DBT-R&D	Sundaresan,N.R., Dr. (M) Associate Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	99.40	36
3268	Enhanced production of anticancer flavones - baicalein, chrysin & oroxyline A, from oroxylin indicum tissue culture & studies on its chemopreventive activities	DBT-R&D	Saikia,M., Dr. (F) Assistant Professor Anandaram Dhekial Phookan College Nagaon - 782 002 Assam	72.54	36
3269	Epigenetic regulation of angiogenic factors in Assisted Reproductive Technology (ART) & non-ART derived placenta	DBT-R&D	Sundrani,D.P., Dr. (F) Assistant Professor Interactive Research School for Health Affairs Pune - 411 043 Maharashtra	59.91	36
3270	Evaluation of prophylactic potential of a VLP based vaccine candidate against Hepatitis C virus gt 3	DBT-R&D	Das,S., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	142.78	24
3271	Exploration of novel molecular entities & pathways in neuronal excitation intrinsic to neuropathic pain to identify & design inhibitors for its treatment	DBT-R&D	Surolia,A., Prof. (M) Indian Institute of Science Department of Biophysics Bengaluru - 560 012 Karnataka	162.35	36
3272	Fallopian tube regeneration with colostrum-polymer nanofabricated biodrug	DBT-R&D	Sharma,J.B., Dr. (M) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	161.09	36
3273	From new genetic findings in Schizophrenia & Parkinson's disease to uncovering their causative mechanisms using contemporary in vitro tools	DBT-R&D	Naorem,A.D., Dr. (F) Delhi University South Campus New Delhi - 110 021 Delhi	100.83	48
3274	Functional role of Nrd1-Sen1-Nab3 (NNS) trimeric protein complex in the nuclear mRNA surveillance in <i>Saccharomyces cerevisiae</i>	DBT-R&D	Das,B., Prof. (M) Jadavpur University Kolkata - 700 032 West Bengal	67.51	36
3275	Gas-mediated antibiotic resistance in <i>Mycobacterium Tuberculosis</i>	DBT-R&D	Singh,A., Prof. (M) Associate Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	91.37	36
3276	Generation & characterization of HIV-1 subtype-C based trimeric immunogens from infected children	DBT-R&D	Luthra,K., Prof. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	159.89	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3277	High Molecular Weight (HMW) HLA-B27 aggregates & Ankylosing Spondylitis (AS) aggregates	DBT-R&D	Guptasarma,M.L., Dr. (F) Professor Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	87.24	36
3278	Human placental epigenetic regulation of fatty acids versus glucose transport: Role in fetal growth restriction	DBT-R&D	Mukhopadhyay,A., Dr. (F) Associate Professor St. John's Research Institute Bengaluru - 560 034 Karnataka	48.26	36
3279	Identification & characterization of active molecules derived from selected edible medicinal plants of Arunachal Pradesh against Rotavirus & clinical isolates of drug resistance E. coli & S. aureus	DBT-R&D	Darokar,M.P., Dr. (M) Sr. Principal Scientist CSIR-Central Institute of Medicinal & Aromatic Plants Lucknow - 226 015 Uttar Pradesh	86.41	36
3280	Identification & characterization of glycyl-tRNA synthetase in Leishmania donovani	DBT-R&D	Kumar,D., Dr. (M) Associate Professor Assam University Silchar - 788 011 Assam	84.60	36
3281	Identification of new male infertility genes in obstructive azoospermic men with congenital bilateral absence of Vas deferens	DBT-R&D	Gajbhiye,R.K., Dr. (M) Scientist D ICMR-National Institute for Research in Reproductive Health Mumbai - 400 012 Maharashtra	39.93	36
3282	In vivo efficacy & safety studies of CSCR-ST04, the gene edited autologous hematopoietic stem cells for the gene therapy of beta-hemoglobinopathies	DBT-R&D	Thangavel,S., Dr. (M) Assistant Investigator Centre for Stem Cell Research Vellore - 632 002 Tamil Nadu	84.00	36
3283	Insights into the function of membrane protein trafficking from the crystal structure of human tubby-like protein, TULP3: A key player in neuronal development	DBT-R&D	Padmanabhan,B., Prof. (M) Head National Institute of Mental Health & Neuro Sciences Bengaluru - 560 029 Karnataka	70.70	36
3284	Inventorization, molecular identification & characterization of Garcinia species from northeast India for isolation of polyisoprenylated benzophenones as taxol mimics	DBT-R&D	Kumar,S., Dr. (M) Principal Scientist ICAR-Directorate of Medicinal & Aromatic Plants Research Anand - 387 310 Gujarat	81.23	36
3285	Investigating the contribution of DNA damage, repair & demethylation in pathogenesis of endometriosis	DBT-R&D	Sachdeva,G., Dr. (F) Director/Scientist G ICMR-National Institute for Research in Reproductive Health Mumbai - 400 012 Maharashtra	43.83	36
3286	Investigating the effects of age of onset on the structural connectome in essential tremor through high angular resolution diffusion MRI	DBT-R&D	Saini,J., Dr. (M) Associate Professor National Institute of Mental Health & Neuro Sciences Bengaluru - 560 029 Karnataka	58.40	36
3287	Investigating the molecular mechanism of cartilage segmentation during early chick embryonic development	DBT-R&D	Bandyopadhyay,A., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	65.64	36
3288	Investigation & characterization of human cytomegalo virus mediated oncogenesis in Mizo population, Mizoram, north-east India	DBT-R&D	Kumar,H., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Bhopal - 462 066 Madhya Pradesh	70.53	36
3289	Isolation of camelid antibodies as antibiotic-adjuvants against multidrug-efflux transporters of Methicillin resistant Staphylococcus aureus	DBT-R&D	Penmatsa,A., Dr. (M) Assistant Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	136.24	36



BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3290	Isolation, synthesis & structure-function analysis of frog & toad-skin derived antimicrobial, anticancer & wound-healing peptides	DBT-R&D	Chaudhary,N., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Guwahati - 781 039 Assam	79.99	36
3291	Leveraging stem cell technology to facilitate discovery for human disease biology in India	DBT-R&D	Sarin,A., Prof. (F) Director Institute for Stem Cell Biology & Regenerative Medicine	700.49	36
3292	Lipid remodeling by patatins of Mycobacterium Tuberculosis & its role in the mouse model of tuberculosis	DBT-R&D	Gandotra,S., Dr. (F) Scientist CSIR-Institute of Genomics & Integrative Biology Delhi - 110 007 Delhi	128.64	36
3293	Mapping hotspots of MDR-TB in Assam & Tripura using genomics approaches	DBT-R&D	Bhattacharya,S., Dr. (M) Assistant Professor Agartala Government Medical College Agartala - 799 001 Tripura	411.01	36
3294	Mapping novel gene targets for treating Insulin resistance	DBT-R&D	Sundaresan,N.R., Dr. (M) Associate Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	78.66	36
3295	Mechanism of translation initiation of mammalian mitochondria: Role of the unique translation initiation factors	DBT-R&D	Varshney,U., Prof. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	84.29	36
3296	MicroRNA based reprogramming of fetal hemoglobin in beta-Thalassemia	DBT-R&D	Chakravorty,N., Dr. (M) Assistant Professor Grade I Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	51.50	36
3297	Molecular epidemiology of Hepatitis B & C among Intravenous Drug Users (IVDUs) in northeast & northwest region of India	DBT-R&D	Phukan,A.C., Prof. (M) Head North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences Shillong - 793 018 Meghalaya	108.04	36
3298	Molecular regulation of spiralartery remodeling	DBT-R&D	Ain,R., Dr. (F) Senior Principal Scientist CSIR-Indian Institute of Chemical Biology Kolkata - 700 032 West Bengal	68.98	36
3299	Monitoring placental health & function across pregnancy using placental derived nanovesicles in maternal blood-full	DBT-R&D	Tiwari,S., Prof. (F) Additional Professor & Head Sanjay Gandhi P.G. Institute of Medical Sciences Lucknow - 226 014 Uttar Pradesh	67.89	36
3300	MRI based non-invasive quantitative biomarker for early diagnosis & prognosis of brain tumor	DBT-R&D	Rajagopalan,V., Dr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Hyderabad - 500 078 Telangana	17.48	36
3301	Multi-wavelength Selective Plane Illumination Microscope (m?-SPIM) - with simultaneous magnification at multiple levels: A promising imaging technology for molecular & cellular biology	DBT-R&D	Singh,M.S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Thiruvananthapuram - 695 016 Kerala	94.00	36
3302	Neuronal gene regulation by intracellular calcium signaling & histone H3K36 methylation	DBT-R&D	Hasan,G., Prof. (F) Senior Professor National Centre for Biological Sciences Bengaluru - 560 065 Karnataka	92.96	36
3303	Novel eco-friendly nano-composite coatings for prevention of surgical site infections	DBT-R&D	Raghavan,S., Dr. (F) Scientist F International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI) Hyderabad - 500 005 Telangana	58.13	24

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3304	Par1 & Sgg: Un-Tango-Ling microtubule regulation	DBT-R&D	Ganguly,D., Dr. (F) Fellow Indian Institute of Engineering Science & Technology Shibpur Howrah - 711 103 West Bengal	40.89	36
3305	Prevalence of fragile X syndrome & its neuropsychological correlates among children with development delay attending OPD services of Assam Medical College & Hospital, Dibrugarh	DBT-R&D	Bhuyan,D., Dr. (M) Associate Profesor Assam Medical College & Hospital Dibrugarh - 786 002 Assam	55.09	36
3306	Regulation of experience-dependent synaptic plasticity by Ube3a: Implication in Autism spectrum disorders	DBT-R&D	Jana,N.R., Prof. (M) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	65.09	36
3307	Regulation of MCP-1-induced calcium-independent Phospholipase A2 (iPLA2)-dependent monocyte migration	DBT-R&D	Bhattacharjee,A.K., Dr. (M) Scientist D/Fellow National Institute of Technology (Durgapur) Durgapur - 713 209 West Bengal	57.08	36
3308	Repositioning Fluoxetine & Salmeterol for treatment of dengue infections - pre-clinical development & proof-of-concept studies	DBT-R&D	Halmuthur,S.K.M., Prof. (M) Sr. Principal Scientist CSIR-Indian Institute of Chemical Technology Hyderabad - 500 007 Telangana	129.96	36
3309	Repurposing of anticancer drugs for the treatment of malaria	DBT-R&D	Tripathi,R., Dr. (F) Senior Principal Scientist CSIR-Central Drug Research Institute Lucknow - 226 001 Uttar Pradesh	60.40	36
3310	Repurposing of anti-fungal Ciclopirox for its anti-Leishmanial and/or drug resistance breaker activity in visceral Leishmaniasis	DBT-R&D	Das,S., Dr. (F) Associate Professor All India Institute of Medical Sciences Patna - 801 505 Bihar	19.16	24
3311	Role of actin remodelling & membrane fluctuation in regulation of embryonic stem cell pluripotency	DBT-R&D	Subramanyam,D., Dr. (F) Scientist E National Centre for Cell Sciences Pune - 411 007 Maharashtra	52.84	36
3312	Role of duodenal microflora & duodenal inflammation in altering the duodenal nutrient absorption & sensing in the pathogenesis of diabetes	DBT-R&D	Goswami,B.D., Dr. (M) Professor Gauhati Medical College & Hospital Guwahati - 781 032 Assam	88.02	36
3313	Role of Ephrins/Eph receptors in HIV mediated neuropathogenesis	DBT-R&D	Seth,P., Prof. (M) Scientist VII National Brain Research Centre Gurgaon - 122 050 Haryana	73.16	36
3314	Role of HPIP gene in endometrial cancer development: Molecular mechanisms & prognostic significance	DBT-R&D	Manavathi,B., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	60.98	36
3315	Role of human lens crystallins in the development & vascular remodeling of the eye	DBT-R&D	Ramachandran,R., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Mohali - 140 306 Punjab	68.99	24
3316	Scaffold-based in situ dendritic cell programming for cancer immunotherapy	DBT-R&D	Tayalia,P., Dr. (F) Associate Professor Indian Institute of Technology (Bombay) Mumbai - 400 076 Maharashtra	45.00	36
3317	Screening of anti-cancer activity of a few traditional medical plants of north east India	DBT-R&D	Choudhury,M.D., Prof. (M) Coordinator Assam University Silchar - 788 011 Assam	84.40	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3318	Small molecular mimics of antimicrobial peptide to tackle eye infections	DBT-R&D	Haldar,J., Dr. (M) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research Bengaluru - 560 064 Karnataka	71.07	36
3319	Streptococcus Pneumoniae & Hemophilus influenzae serotype distribution & antibiotic resistance in isolates from pediatric Pneumonia cases in Assam	DBT-R&D	Gautam,H., Dr. (M) Assistant Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	112.21	36
3320	Structure-activity validation of inhibitors of bacterial peptidyl-tRNA hydrolase for tackling AMR	DBT-R&D	Arora,A., Dr. (M) Senior Scientist CSIR-Central Drug Research Institute Lucknow - 226 001 Uttar Pradesh	59.97	36
3321	Studies on mechanism of Pax6 functions in Parkinson's disease	DBT-R&D	Mishra,R., Prof. (M) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	55.46	36
3322	Synthesis & characterization of different chrysin derivatives followed by screening of anti-obesogenic activity, anti-diabetogenic activity in vitro-assessment of in vivo activity with lead compounds	DBT-R&D	Saha,K.D., Dr. (F) Principal Technical Officer (Group III) CSIR-Indian Institute of Chemical Biology Kolkata - 700 032 West Bengal	74.00	36
3323	Tailor made peptidomimetics designing against human Islet Amyloid Polypeptide (hIAPP) aggregation: A therapeutic approach associated with Type-2 Diabetes	DBT-R&D	Bhunia,A., Dr. (M) Associate Professor Bose Institute Kolkata - 700 054 West Bengal	91.62	36
3324	Targeting sarcolipin-based muscle energy expenditure to provide protection against Type II Diabetes	DBT-R&D	Bal.N.C., Dr. (M) Associate Professor Kalinga Institute of Industrial Technology University Bhubaneswar - 751 024 Odisha	79.49	36
3325	Th role of hydrogen sulfide in modulation of autophagy & Tuberculosis pathogenesis	DBT-R&D	Kumar,A., Dr. (M) Principal Scientist CSIR-Institute of Microbial Technology Chandigarh - 160 036 Chandigarh	85.62	36
3326	The role of neuropeptides in the locomotory behaviour of Caenorhabditis elegans	DBT-R&D	Babu,K., Dr. (F) Assistant Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	100.55	36
3327	Therapeutic targeting of ER chaperones exploiting small molecules: A virtual screening approach to allievate ER stress in preeclampsia	DBT-R&D	Gupta,S., Dr. (F) Assistant Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	55.53	36
3328	To investigate the 4-Hydroxyisouline signaling mechanism in the ovarian follicular development for the management of polycystic	DBT-R&D	Jha,R.K., Dr. (M) Principal Scientist CSIR-Central Drug Research Institute Lucknow - 226 001 Uttar Pradesh	59.14	36
3329	To investigate the role of HOXB1 in spermatogenesis? And male infertility	DBT-R&D	Singh,R., Dr. (M) Senior Scientist Grade IV CSIR-Central Drug Research Institute Lucknow - 226 001 Uttar Pradesh	59.90	36
3330	To study the prevalence of Resistance Associated Substitutions (RASS) in HCV patients & its correlation with anti viral treatment response	DBT-R&D	Goswami,B.D., Dr. (M) Professor Gauhati Medical College & Hospital Guwahati - 781 032 Assam	180.98	36
3331	Translational research studies on some disorders of the eye	DBT-R&D	Balasubramanian,D., Prof. (M) Distinguished Scientist L.V. Prasad Eye Institute Hyderabad Eye Research Foundation Hyderabad - 500 034 Telangana	1199.99	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3332	Understanding the activity of mechanosensors - YAP & TAZ in differentiating human pluripotent stem cells	DBT-R&D	Pethe,P.S., Dr. (M) Assistant Professor Symbiosis International University Pune - 412 115 Maharashtra	22.87	24
3333	Understanding the early events of a-synuclein aggregation & its implications in parkinson's disease related neurodegeneration	DBT-R&D	Chattopadhyay,K., Dr. (M) Principal Scientist CSIR-Indian Institute of Chemical Biology Kolkata - 700 032 West Bengal	169.94	36
3334	Understanding the functional role of co-activator binding protein PIMT in adipogenesis & obesity	DBT-R&D	Misra,P., Dr. (M) Sr. Professor & Chief Scientist Dr. Reddy Institute of Life Sciences Hyderabad - 500 046 Telangana	89.97	36
3335	Understanding the role of GntR family of transcrption regulators in Mycobacterium Tuberculosis physiology, stress adaptation & pathogenesis	DBT-R&D	Singh,R., Dr. (M) Associate Professor Translational Health Science & Technology Institute Faridabad - 121 001 Haryana	94.55	36
3336	Unraveling the role of STX1A in the biogenesis of lysosome & - related organelles	DBT-R&D	Setty,S.R.G., Prof. (M) Associate Professor Indian Institute of Science Bengaluru - 560 012 Karnataka	66.54	36
3337	Zinc finger transcription factor as regulators on neuronal differentiation programs through epigenetic reprogramming	DBT-R&D	Das,C., Dr. (F) Saha Institute of Nuclear Physics Kolkata - 700 064 West Bengal	57.38	36
3338	Casil-O-Scope- The affordable & portable eye examining device	DSIR-PRISM	Mohan,V., Mr. (M) 3/26, V. Nachiarpatti, Kalampatti Tuticorin - 628 721 Tamil Nadu	2.00	8
3339	Development of a novel cell therapeutic product for the treatment of Diabetic foot ulcers & other non-healing wounds to prevent amputations	DSIR-PRISM	Natesan,S., Dr. (M) A-304, Swagat Blossom 3, Behind Aashka Hospital Sargasan Gandhinagar - 382 421 Gujarat	21.20	10
3340	Flexi Datun	DSIR-PRISM	Rakhecha,S., Mr. (M) Green Leaf Apartment, VIP Enclave, Phase 3, Block D, Flat No. 301, Baguiati Kolkata - 700 059 West Bengal	0.90	6
3341	Validation of single device for detection of three most prevalent mosquito born diseases (Malaria, Chikungunya & Dengue)	DSIR-PRISM	Tunga,B.S., Dr. (F) K 2004, Purva Highland, Mallasandra, Kanakapura Road Bengaluru - 560 062 Karnataka	20.00	8
3342	A novel non-invasive electronics for early diagnosis of Arthritis	DST-BDTD	Subramoniam,M., Dr. (M) Professor Sathyabama University Sathyabama Institute of Science & Technology, Jeppiaar Nagar, Rajeev Gandhi Salai Chennai - 600 119 Tamil Nadu	24.62	36
3343	C3 fields: Head mount portable device for visual field perimetry	DST-BDTD	Arulmozhivarman,P., Dr. (M) Professor & Dean Vellore Institute of Technology University Vellore - 632 014 Tamil Nadu	44.48	24
3344	Cardiac-organ-on chip: Integrated microfluidic cardiac platform for drug screening & toxicity detection	DST-BDTD	Goel,S., Dr. (M) Associate Professor Birla Institute of Technology & Science (Pilani) Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	43.76	36
3345	Cardio watch: A cuff-less, low-cost BP monitoring solution	DST-BDTD	Deb,S., Dr. (M) Indian Institute of Technology (Delhi) Okhla Phase 3 New Delhi - 110 020 Delhi	5.94	6

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3346	Design & development of nanomaterial based point of care device for head & neck cancer biomarkers detection	DST-BDTD	Solanki,P.R., Dr. (F) Assistant Professor Jawaharlal Nehru University Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	25.06	12
3347	Design & development of Virtual Comprehensive Neonatal Monitoring System (VICONEMS)	DST-BDTD	Sriraam,N., Dr. (M) M.S. Ramaiah Institute of Technology Department of Medical Electronics Bengaluru - 560 054 Karnataka	23.89	24
3348	Design & development of virtual reality based rehabilitation device for upper extremity stroke survivors	DST-BDTD	Kumar,L.A., Dr. (M) Professor P.S.G. College of Technology Department of Electrical & Electronics Engineering, Peelemedu Coimbatore - 641 004 Tamil Nadu	53.58	36
3349	Development of a microfluidics based point-of-care device for intra -operative detection of metastatic lymph nodes in oral cancer	DST-BDTD	Pandya,H., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Avenue Bengaluru - 560 012 Karnataka	71.79	36
3350	Development of a miniaturized affordable single laser-single detector based multiple fluorescence analyzer for clinical diagnostics, including HIV infection monitoring	DST-BDTD	Saiyed,T., Dr. (M) Centre for Cellular & Molecular Platforms GKVK, NCBS-TIFR Campus, Bellary Road Bengaluru - 560 065 Karnataka	10.35	36
3351	Development of a vascular anastomosis device for arteriovenous fistula creation	DST-BDTD	Padole,P.M., Prof. (M) Visvesvaraya National Institute of Technology (Nagpur) Department of Mechanical Engineering Nagpur - 440 010 Maharashtra	19.39	24
3352	Development of cost effective wearable semi-automatic Insulin delivery smart micro system	DST-BDTD	Sreeja,B.S., Dr. (F) Associate Professor Sri Sivasubramaniya Nadar College of Engineering Kalavakkam - 603 110 Tamil Nadu	35.04	36
3353	Development of Electro thrombogram (Etg) a point of care electronics device to assess the blood coagulation status	DST-BDTD	Murthy,S.D., Dr. (M) Professor J.S.S. Medical College Department of Pediatrics Mysore - 570 015 Karnataka	28.03	24
3354	Development of high temperature resistant geopolymeric composites	DST-BDTD	Agrawal,A., Dr. (M) Professor Indian Institute of Technology (Bombay) Department of Mechanical Engineering, Powai Mumbai - 400 076 Maharashtra	45.57	24
3355	Development of inexpensive Surface Plasmon Resonance (SPR) based biosensor for the detection of cardiovascular diseases	DST-BDTD	Sinha,R.K., Dr. (M) Associate Professor Manipal University Department of Atomic & Molecular Physics, Manipal Academy of Higher Education, LG- 1, Academic Block 5 Manipal - 576 104 Karnataka	24.97	36
3356	Development of microfluidic platform for pont of care diagnosis of sickle cell Anemia of Chhattisgarh	DST-BDTD	Bit,A., Dr. (M) Assistant Professor National Institute of Technology (Raipur) Department of Biomedical Engineering Raipur - 492 010 Chhattisgarh	29.95	24
3357	Development of non- invasive & affordable liver-stiffness imaging device & clinical evaluation of its utility for metabolic disorders	DST-BDTD	Thittai,A.K., Dr. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	59.22	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3358	Development of paired neck chamber device for assessment of baroreflex sensitivity	DST-BDTD	Desai,K.A., Dr. (M) Assistant Professor Indian Institute of Technology (Jodhpur) Department of Mechanical Engineering, Jodhpur-Karwad Jodhpur - 342 037 Rajasthan	26.32	24
3359	Development of portable low-cost disposable defibrillator for cardiac arrest management	DST-BDTD	Manikandan,S., Dr. (M) Professor & Incharge Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 029 Kerala	12.96	24
3360	Endocavitary microwave applicator for integrated hyperthermia & radiotherapy treatment of locally advanced cervical cancer	DST-BDTD	Arunachalam,K., Dr. (F) Associate Professor Indian Institute of Technology (Madras) Department of Engineering Design Chennai - 600 036 Tamil Nadu	103.52	36
3361	Fabrication & multi-centric trial of indigenous dental implants of titanium designed & developed at BHU for its validation	DST-BDTD	Bansal,R., Prof. (M) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	56.01	24
3362	Fabrication of the portable low cost point-of-care optical device for the screening of Thalassemia carrier	DST-BDTD	Bhattacharya,J., Dr. (M) Assistant Professor Jawaharlal Nehru University Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	34.72	24
3363	Five fingered bionic prosthetic hand	DST-BDTD	Hazarika,S.M., Prof. (M) Indian Institute of Technology (Guwahati) Department of Mechanical Engineering Guwahati - 781 039 Assam	26.00	24
3364	Hemiplegia & finger rehabilitation therapy device for stroke patients	DST-BDTD	Maran,M., Dr. (M) Assistant Professor Velammal College of Engineering & Technology Madurai - 625 009 Tamil Nadu	34.03	24
3365	Immunological capturing of Circulating Tumor Cells (CTCs) by novel lab-on-chip microfluidic devices	DST-BDTD	Kurkuri,M., Prof. (M) Jain University Centre for Nano & Materials Sciences Bengaluru - 562 112 Karnataka	24.68	36
3366	Indigenous apex locator for root canal treatment	DST-BDTD	Jha,R., Dr. (M) Scientist CSIR-Central Scientific Instruments Organization Division of Biomedical Instrumentation, Sector 30 Chandigarh - 160 030 Chandigarh	26.72	24
3367	Liquid biopsy for oral cancer screening using superhydrophobic surface enhanced Raman plasmonic droplet assay	DST-BDTD	George,S.D., Prof. (M) Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	51.06	36
3368	MEMS Programmable high resolution transducer for ultrasound imaging	DST-BDTD	Aggrawal,P., Mr. (M) D.I.T. University Mussoorie Diversion Road Dehradun - 248 009 Uttarakhand	21.58	18
3369	Microfluidic device - based instrument for screening breast cancer using miRNA detection	DST-BDTD	Salim,B., Prof. (F) P.S.G. College of Technology P.S.G. Institute of Advanced Studies, Avinshi Road, Peelamed Coimbatore - 641 004 Tamil Nadu	46.52	24
3370	Non-invasive transdermal collagen & perfusion sensor for cosmetic & diagnostic applications	DST-BDTD	Sujatha,N., Dr. (F) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	43.44	24

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3371	Prototype for electronic mass screening device for point-of-care diagnostic of sickle cell diseases	DST-BDTD	Soni,G.V., Dr. (M) Associate Professor Raman Research Institute C.V. Raman Avenue Bengaluru - 560 080 Karnataka	46.50	24
3372	Real time lab based absolute physiological electrochemical sensing device based on released RNS/ROS integrated with multi micro electrode arrays MEAs detecting Helicobacter pylori, a stomach gastric cancer causing pathogen	DST-BDTD	Nidhi, Dr. (F) Assistant Professor Amity University Greater Noida - 201 313 Uttar Pradesh	31.40	24
3373	Simple screening aid for estimating kidney function category: Late stage prototype	DST-BDTD	Kalpana,R., Dr. (F) Dean Rajalakshmi Engineering College Department of Biomedical Engineering Institution, Thandalam Chennai - 602 105 Tamil Nadu	13.70	12
3374	Speech assistive gloves for post traumatic care of people with compromised ability to vocally communicate	DST-BDTD	Varadhan,S.K.M., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	40.58	24
3375	Technology enablement from management to solution for hearing impaired	DST-BDTD	Nagarkar,N.M., Dr. (M) Professor & Director All India Institute of Medical Sciences Tatibandh, GE Road Raipur - 492 099 Chhattisgarh	21.63	6
3376	Affordable, effective personalized point-of-use wound care patches at patient bedside for large asymmetric burn wound	DST-IMPRINT-2	Giri,J., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	120.35	36
3377	Best from waste - processing orthopaedic waste from hospitals into affordable, high-quality orthobiologics for regenerative applications	DST-IMPRINT-2	Kumar,N., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur, Ropar Rupnagar - 140 001 Punjab	75.38	36
3378	Design & development of a blood cell counter	DST-IMPRINT-2	Tirumkudulu,M.S., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	70.43	36
3379	Development of a microfluidic based tool for assessing placental functions & evaluating its potential application in pregnancy related disorders	DST-IMPRINT-2	Majumder,A., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	125.50	36
3380	Laser driven proton sources for cancer therapy	DST-IMPRINT-2	Ramakrishna,B., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	48.11	36
3381	A multi-targeted approach encompassing fundamental & applied studies towards drug discovery for Leishmaniasis	DST-IRHPA	Ranganathan,A., Dr. (M) Professor Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	295.38	60
3382	Extending benefits of biomedical science and technology of SC & ST communities through all level participatory engagement - SC components	DST-SCSP	Joseph,R., Dr. (M) Sree Chitra Tirunal Institute for Medical Sciences & Technology Biomedical Technology Wing, Poojapura Thiruvananthapuram - 695 012 Kerala	311.43	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3383	Fighting Covid-19: Call for proposals	DST-SCSP	Director, The (M) Technology Development Board A-Wing, Shaheed Jeet Singh Marg New Delhi - 110 016 Delhi	500.00	36
3384	A clinico microbiological study of dermatophyte drug resistance with evaluation of invitro biofilms of dermatophyte moulds	DST-SERB-CRG	Tadepalli,K., Dr. (F) Associate Professor All India Institute of Medical Sciences Saket Nagar Bhopal - 462 033 Madhya Pradesh	36.29	36
3385	A comprehensive analysis of the changing diversity of Shigella in terms of its virulence, resistance, & serotype	DST-SERB-CRG	Mandal,J., Dr. (F) Additional Professor Jawaharlal Institute of P.G. Medical Education & Research Dhanvantri Nagar Kalapet - 605 006 Puducherry	27.14	36
3386	A CRISP-based gene therapy approach for targeting the breast cancer stem cells in vivo	DST-SERB-CRG	Kundu,G.C., Dr. (M) Scientist G National Centre for Cell Sciences Ganeshkhind Pune - 411 007 Maharashtra	51.44	36
3387	A gradient approach for engineering interfacial tissue constructs using Mesenchymal stem cells suitable for osteochondral therapy	DST-SERB-CRG	Ramalingam,M., Dr. (M) Associate Professor Vellore Institute of Technology University Tiruvallam Road, Katpadi Vellore - 632 014 Tamil Nadu	26.58	36
3388	A molecular genetics approach to identify & characterize hidden mutations in Oculocutaneous Albinism (OCA) in Indian population	DST-SERB-CRG	Sengupta,M., Dr. (M) Assistant Professor Calcutta University 87 /1, College Street Kolkata - 700 073 West Bengal	31.36	36
3389	A perspective anticoagulant peptide from Nori: Porphyrin yezoensis hydrolysate acting on intrinsic pathway of coagulation	DST-SERB-CRG	Mehta,A., Dr. (F) Professor Vellore Institute of Technology University Tiruvallam Road, Katpadi Vellore - 632 014 Tamil Nadu	36.38	36
3390	A study on the prevalence & molecular profiling of virulence genes in multiple antibiotic resistant Escherichia coli isolated from retail food	DST-SERB-CRG	Rath,A., Dr. (F) Assistant Professor Mumbai University Kalina, Vidya Nagari Mumbai - 400 098 Maharashtra	42.82	36
3391	Addressing Diabetic foot ulcers by using a tissue engineering approach	DST-SERB-CRG	Ghosh,D., Dr. (F) Scientist F Institute of Nano Science & Technology Phase -10, Sector-64 Mohali - 160 047 Punjab	55.76	36
3392	Analysis of synaptic & mitochondrial alterations in human brains with traumatic brain injury: Implications for neurological deficits & therapy in neurotrauma patients	DST-SERB-CRG	Srinivasbharath,M.M., Dr. (M) Additional Professor National Institute of Mental Health & Neuro Sciences Hosur Road, Wilson Garden Bengaluru - 560 029 Karnataka	46.89	36
3393	Auxiliary subunits of human SWI/SNF complex in normal Myelopoiesis & Leukemia	DST-SERB-CRG	Prasad,P., Dr. (M) Scientist D & Fellow Institute of Life Sciences Nalco Nagar, Chandrasekharpur Bhubaneswar - 750 023 Odisha	57.47	36
3394	Beyond acquired drug resistant mutations: Exosomal-Shh, cancer stems cells & TKI resistance - An exploratory study	DST-SERB-CRG	Vyas,N.D., Dr. (F) Assistant Professor St. John's Research Institute 100 Feet Road, John Nagar, Koramangala Bengaluru - 560 034 Karnataka	74.28	36
3395	Bioluminescence emissions from different species of fireflies in different ambient conditions	DST-SERB-CRG	Barua,A.G., Dr. (M) Professor Gauhati University Jalukbari Guwahati - 781 014 Assam	30.01	36



BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3396	Biophysical & structural studies on FrzCD, a cytoplasmic Methyl accepting Chemosensory Protein (MCP) involved in myxococcus xanthus motility	DST-SERB-CRG	Pananghat,G., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	61.66	36
3397	Building inner ear organoids using a novel Serine Protease Induced Reprogramming (SPIR) approach - towards regeneration of sensorineural hearing loss	DST-SERB-CRG	Sharma,M., Dr. (F) Assistant Professor Postgraduate Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	45.76	36
3398	cFMS kinase blockade for Macrophage subset-2 (M2) depletion as a potential immunotherapeutic strategy for antibiotic induced Immunosuppression	DST-SERB-CRG	Rajput,R.A., Dr. (F) Associate Professor Indian Institute of Advanced Research Koba Institutional Area Gandhinagar - 382 426 Gujarat	31.57	36
3399	Characterization of adult human lens epithelial stem cells in the maintenance of tissue homeostasis throughout life & their functional status in cataractous lens	DST-SERB-CRG	Shekhar,M., Dr. (M) Clinician Scientist Aravind Medical Research Foundation No. 1, Anna Nagar Madurai - 625 020 Tamil Nadu	51.37	36
3400	Characterization of negative immune checkpoints in MR-1 restricted mucosal associated invariant CD161++CD8+ TCR Vα7.1 T-cell (MAIT) phenotypes & potentials for use of negative immune checkpoint inhibitors for improvement of functional MAIT cell ...	DST-SERB-CRG	Muthu,S.E., Dr. (M) Associate Professor Central University of Tamil Nadu C/o Collectorate Annexe Thiruvavur - 610 005 Tamil Nadu	30.48	36
3401	Characterization of the cellular roles of the proteasome & its deubiquitinase G1Rpn11 of the differently-diverged Eukaryote Giardia Lamblia	DST-SERB-CRG	Sarkar,S., Prof. (F) Bose Institute Centenary Campus, P1/12, Scheme Viim, Kankurgachh IT Road Kolkata - 700 054 West Bengal	42.33	36
3402	Chemical modifications of novel asparaginase variants to improve the treatment of primary & relapse childhood acute Lymphatic Leukemia	DST-SERB-CRG	Sonawane,A., Dr. (M) Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 452 011 Madhya Pradesh	55.75	36
3403	Circulating microparticles & monocyte activation in IgA nephropathy	DST-SERB-CRG	Agrawal,V., Dr. (F) Professor Sanjay Gandhi P.G. Institute of Medical Sciences Raebareilly Road Lucknow - 226 014 Uttar Pradesh	43.68	36
3404	Comparative proteomic analysis to discover novel plasma biomarkers for early detection, surveillance & prognostication of atrial fibrillation in patients with rheumatic heart disease	DST-SERB-CRG	Sharma,S., Dr. (F) Scientist C ICMR-National Institute of Pathology Safdarjang Hospital Campus, Post Box No. 4909 New Delhi - 110 029 Delhi	59.54	36
3405	Contribution of Glial gap junctions towards morphine tolerance in rats	DST-SERB-CRG	Ray,S.B., Dr. (M) Professor All India Institute of Medical Sciences Sri Aurobindo Marg, Ansari Nagar New Delhi - 110 029 Delhi	55.12	36
3406	Deciphering the assembly of RNPS1 into the spliceosomal machinery	DST-SERB-CRG	Singh,K.K., Dr. (F) Assistant Professor Indian Institute of Technology (Guwahati) Suryamukhi Road, North, Amingaon Guwahati - 781 039 Assam	45.49	36
3407	Deciphering the mode of action of a sleep inducing seed oil - A potent & safe alternate to sleeping pills	DST-SERB-CRG	Srinivasan,M., Dr. (F) Principal Scientist CSIR-Central Food Technological Research Institute Cheluvamba Mansion, Devaraja Mohalla, Kajjehundi Mysore - 570 020 Karnataka	35.10	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3408	Deciphering the role of Kinesin I heavy chain (KIF5B) in Tau hyperphosphorylation, aggregation & neurodegeneration in Alzheimer's disease & other Tauopathies	DST-SERB-CRG	Durairajan,S., Dr. (M) Associate Professor & Head Central University of Tamil Nadu C/o Collectorate Annexe Thiruvavur - 610 001 Tamil Nadu	55.17	36
3409	Deciphering the role of serine/threonine phosphorylation in bacillus anthracis for developing novel anthrax spore vaccine	DST-SERB-CRG	Singh,Y., Prof. (M) Delhi University New Delhi - 110 021 Delhi	57.88	36
3410	Delineating the role of Hexokinase 2 (HK2) in epidermal homeostasis & stem cell regulation	DST-SERB-CRG	Waghmare,S.K., Dr. (M) Scientific Officer E Tata Memorial Centre Tata Memorial Hospital, Dr. E Borges Road, Parel Mumbai - 400 012 Maharashtra	45.53	36
3411	Design, fabrication & evaluation of patient specific bio-restorable occlusion device for treating atrial septal defect	DST-SERB-CRG	Bellare,J., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	35.29	36
3412	Design, synthesis & evaluation of novel glitazones for Alzheimer's disease: Activation of PGC-1 $\alpha$ signaling via PPAR- $\gamma$ receptors	DST-SERB-CRG	Justin,A., Dr. (M) Assistant Professor J.S.S. College of Pharmacy Rocklands, Post Box No.20, Udthagamandalam Ootacamund - 643 001 Tamil Nadu	32.01	36
3413	Determination of pattern of functional, biochemical & immunological response associated with subgroups of functional Dyspepsia: An observational study	DST-SERB-CRG	Samal,S.C., Prof. (M) All India Institute of Medical Sciences Sijua, Patrapada Bhubaneswar - 751 001 Odisha	40.16	36
3414	Developing small molecule inhibitors to target nongenomic androgen signaling & elucidating the role of GPR56 in Prostate cancer	DST-SERB-CRG	Bagchi,G., Dr. (F) Associate Professor Amity University Panchgaon, Manesar Gurgaon - 122 412 Haryana	46.38	36
3415	Development of a dual targeted dual drug loaded theranostic nano-carrier for treatment, management & visualization of cerebral stroke	DST-SERB-CRG	Krishnan,U.M., Dr. (F) Dean SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	38.74	36
3416	Development of a novel dental adhesive with silver nanoparticles in maintaining long term resin-dentin bonds	DST-SERB-CRG	Aggarwal,V., Dr. (M) Assistant Professor Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	13.20	36
3417	Development of glycoconjugates based site directed fluorescent sensor for the detection of bacteria	DST-SERB-CRG	Singhal,N.K., Dr. (M) Scientist National Agri-Food Biotechnology Institute Sector 81, S.A.S. Nagar Mohali - 140 308 Punjab	46.36	36
3418	Development of methodology for quantitative multiparametric MRI & evaluating its potential along with machine learning in classification of brain tumor & treatment follow-up	DST-SERB-CRG	Singh,A., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	30.28	36
3419	Development of rat uterine fibroid animal model using DNA base editor mediated MED12 mutagenesis	DST-SERB-CRG	Dubey,P.K., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	47.10	36
3420	Development of the Splunc1 protein loaded composite nanoparticles based targeted therapy for the treatments of lung inflammation	DST-SERB-CRG	Yadav,A.B., Dr. (M) Assistant Professor Allahabad University Old Katra Allahabad - 211 002 Uttar Pradesh	37.54	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3421	Dissecting the role of gut microbiome in polycystic ovary syndrome susceptibility in Indian population using metagenomic & multi-omic approaches	DST-SERB-CRG	Selvin,J., Dr. (M) Professor & Coordinator Pondicherry University Chinna Kalapet, Kalapet Puducherry - 605 014 Puducherry	59.07	36
3422	DNA methylation profiling of gangliogliomas & dysembryoplastic neuroepithelial tumors	DST-SERB-CRG	Poyuran,R., Dr. (F) Assistant Professor Sree Chitra Tirunal Institute for Medical Sciences & Technology Thiruvananthapuram - 695 011 Kerala	50.38	36
3423	Drug discovery against Malarial M1 & M17 class aminopeptidases: Structural, biochemical & medicinal chemistry approach	DST-SERB-CRG	Addlagatta,A., Dr. (M) Principal Scientist CSIR-Indian Institute of Chemical Technology Uppal Road, Tarnaka Hyderabad - 500 607 Telangana	56.83	36
3424	Drug-immune interaction in the development of Post-Kala azar Dermal Leishmaniasis (PKDL)	DST-SERB-CRG	Pai,K., Prof. (F) Head Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	51.81	36
3425	Effect of COX-2 & EGFR suppression on molecular markers of angiogenesis & proliferation in squamous cell carcinoma of oral cavity	DST-SERB-CRG	Nair,S.V., Prof. (M) Tata Memorial Centre Tata Memorial Hospital, Dr. E Borges Road, Parel Pune - 400 012 Maharashtra	51.32	36
3426	Effect of glow discharge plasma on carbon derived from bamboo used in sodium-ion batteries	DST-SERB-CRG	Vijayalakshmi,K.A., Dr. (F) Assistant Professor Sri Vasavi College Erode - 638 316 Tamil Nadu	17.06	36
3427	Effect of insulin resistance on angiogenic ability of circulating leukocytes	DST-SERB-CRG	Dixit,M., Dr. (F) Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	62.84	36
3428	Efficacy of articulation & prosody intervention program for children with hearing impairment using hearing aids	DST-SERB-CRG	Sreedevi,N., Dr. (M) Professor All India Institute of Speech & Hearing Naimisham Campus, Manasagangotri Mysore - 570 006 Karnataka	23.73	36
3429	Elucidating the mechanism of autophagy regulation by septins	DST-SERB-CRG	Manithaya,R., Dr. (M) Associate Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	63.52	36
3430	Elucidating the role for toll-like receptor 9 mediated extracellular vesicle release from B cells	DST-SERB-CRG	Chaturvedi,A., Dr. (F) Scientist National Centre for Cell Sciences Ganeshkhind Pune - 411 007 Maharashtra	67.30	36
3431	Elucidating the structural, neurobiological changes & identification of non-invasive biomarkers using magnetic resonance imaging & spectroscopy in major depressive disorder	DST-SERB-CRG	Sharma,U., Dr. (F) Associate Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	33.08	36
3432	Engineering of membrane targeting molecular probes for diagnosis of mycobacterial infections	DST-SERB-CRG	Bajaj,A., Dr. (M) Associate Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 004 Haryana	50.45	36
3433	Enzyme-responsive hydrogel for site-specific drug delivery as potential therapy for Colitis	DST-SERB-CRG	Khan,R., Dr. (M) Scientist C Institute of Nano Science & Technology Phase 10, Sector-64 Mohali - 160 047 Punjab	43.22	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3434	Epigenetic reprogramming of Intestinal Epithelial Stem Cells (ISCs) via gut microbiota-derived metabolites in ulcerative Colitis	DST-SERB-CRG	Ahuja,V., Dr. (M) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	56.46	36
3435	Estrogen Related Receptor Gamma (ERRγ) as a potential biomarker & therapeutic target for Thyroid cancer & its correlation with iodine handling genes in Thyroid cancer	DST-SERB-CRG	Singh,T.D., Dr. (M) Assistant Professor All India Institute of Medical Sciences Ansari Nagar, Sri Aurobindo Marg New Delhi - 110 029 Delhi	49.73	36
3436	Evaluation of anti-inflammatory & extra cellular matrix modulatory effect of a formulation made with the combination of curcumin, black pepper & virgin coconut oil in arthritis	DST-SERB-CRG	Sandya,S., Dr. (F) Senior Scientific Officer Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	27.39	36
3437	Evaluation of cardiomyogenic potential of CKiT+ human amniotic fluid mesenchymal stem cells	DST-SERB-CRG	Chaturvedi,C.P., Dr. (F) Associate Professor & Fellow Sanjay Gandhi P.G. Institute of Medical Sciences Raebareli Road Lucknow - 226 014 Uttar Pradesh	51.26	36
3438	Evaluation of effect of cyclosporine on inflammatory cytokines levels & dermatitis in patients of air-borne contact dermatitis due to plant parthenium	DST-SERB-CRG	Verma,K.K., Prof. (M) All India Institute of Medical Sciences Sri Aurobindo Marg, Ansari Nagar New Delhi - 110 029 Delhi	36.10	36
3439	Evaluation of iron regulators & regulatory pathways in different states of erythropoiesis	DST-SERB-CRG	George,B., Dr. (M) Head & Professor Christian Medical College Vellore - 632 004 Tamil Nadu	59.35	36
3440	Examining role of cytoplasmic capping in post-transcriptional control of long non-coding RNAs	DST-SERB-CRG	Mukherjee,C., Dr. (F) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	63.39	36
3441	Exo-Secretome as biomarkers of persistent culture negative Endophthalmitis	DST-SERB-CRG	Joseph,J., Dr. (F) Microbiologist L.V. Prasad Eye Institute Kallam Anji Reddy Campus, L V Prasad Marg, Banjara Hills Hyderabad - 500 034 Telangana	44.35	36
3442	Exploring the immunomodulatory activities of novel toll-like receptor signaling inhibitors in peripheral blood mononuclear cells from Lupus patients: A study to identify TLRs as drug targets for Lupus	DST-SERB-CRG	Ippagunta,S.K., Dr. (M) Assistant Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	68.01	36
3443	Exploring the potential of lacrimal gland stem cells in restoring the damaged function through cell therapy	DST-SERB-CRG	Vemuganti,G.K., Prof. (F) Hyderabad University Hyderabad - 500 046 Telangana	41.34	36
3444	Expressional & functional studies of Matrix Gla Protein (MGP) towards elucidating its role & interaction with other proteins of extracellular matrix for rational drug designing in overcoming the odyssey of muscle loss	DST-SERB-CRG	Jan,A.T., Dr. (M) Assistant Professor Baba Ghulam Shah Badshah Univrsity Fateh Pur. Bypass Road Rajouri - 185 131 Jammu & Kashmir	56.27	36
3445	Fabrication of 3D hybrid hydrogel: A novel safe-by-design concept with effective photothermal ablation of bacterial infection	DST-SERB-CRG	Das,S.K., Dr. (M) Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	43.73	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3446	Function & mechanisms of sorcin in diet induced fatty liver diseases & lipid metabolism	DST-SERB-CRG	Mondal,P., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) Vpo Kamand, Tehsil Sadar, Parashar Road Mandi - 175 005 Himachal Pradesh	50.75	36
3447	Functional characterization of cell division protein FtsZ & its co-ordination with DNA replication in human pathogenic bacteria <i>Helicobacter pylori</i>	DST-SERB-CRG	Dhar,S.K., Prof. (M) Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	58.32	36
3448	Gamma-Amino Butyric Acid (GABA) producing lactic acid bacteria from fermented foods of south Indian tribals as psychobiotics for neurophysiological & neuroinflammatory disorders	DST-SERB-CRG	Shetty,H.P.K., Dr. (M) Professor & Head Pondicherry University Chinna, Kalapet Puducherry - 605 014 Puducherry	38.83	36
3449	Generation & differentiation of footprint free human induced pluripotent stem cells into pancreatic $\beta$ -cells: A giant leap toward a clinical-grade cell source for diabetes treatment	DST-SERB-CRG	Verma,V., Dr. (M) Associate Professor Sanjay Gandhi P.G. Institute of Medical Sciences Raebareli Road Lucknow - 226 014 Uttar Pradesh	36.29	36
3450	Genome-wide identification of the transcriptional program & the pathways associated with wild type & acetylating deficient form of Ecotropic Viral Integration site 1 (EV1) with reference to hematopoietic stem cells, engraftment & the development ..	DST-SERB-CRG	Chakraborty,S., Dr. (M) Scientist E Institute of Life Sciences Nalco Nagar, Chandrasekharpur Bhubaneswar - 750 023 Odisha	46.54	36
3451	How HIV-1 subtype C reverse transcriptase specializes in sequence duplication to gain replication-fitness advantage & augmented drug	DST-SERB-CRG	Ranga,U., Dr. (M) Professor Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	69.15	36
3452	Identification of new scaffolds targeting "persisters" in mycobacteria	DST-SERB-CRG	Pandey,A.K., Dr. (M) Assistant Professor Translational Health Science & Technology Institute NCR Biotech Science Cluster, 3rd Milestone, Faridabad - Gurgaon Expressway Faridabad - 122 016 Haryana	39.52	36
3453	Identifying the role of histone acetyl transferases motif in Cardamom Mosaic virus N1a protease in chromatin remodeling & DNA degradation	DST-SERB-CRG	Tennyson,J., Dr. (M) Assistant Professor Madurai Kamaraj University Palkalai Nagar Madurai - 625 021 Tamil Nadu	37.12	36
3454	Immunomodulators in small cell lung cancer: Basis for implementation of cancer immunotherapy	DST-SERB-CRG	Jain,D., Dr. (F) Associate Professor All India Institute of Medical Sciences Sri Aurobindo Marg, Ansari Nagar New Delhi - 110 029 Delhi	36.17	36
3455	Implication of Unfolded Protein Response (UPR) - Sirtuin 1 (SIRT 1) - HIF-2 $\alpha$ - P53 — Ephrin regulatory loop & its modulation by phosphodiesterase inhibitors in hepatocellular carcinoma	DST-SERB-CRG	Koiri,R.K., Dr. (M) Assistant Professor Dr. Hari Singh Gour Central University Sagar - 470 003 Madhya Pradesh	46.96	36
3456	In vivo measurement of coefficient of friction in the human eye with contact lens	DST-SERB-CRG	Pai,R.B., Dr. (M) Professor Manipal University Udupi - Karkala Road, Eshwar Nagar Manipal - 576 104 Karnataka	56.38	36
3457	Injectable bioresorbable silk hydrogel system for localized breast cancer therapy & post lumpectomy reconstruction	DST-SERB-CRG	Mandal,B.B., Prof. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	46.91	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3458	Insight into the design, computational studies, & synthesis of pyrazole linked aryl carbamothioyl acetamide derivatives: Implication for anti-diabetic activity through A-Glucosidase inhibition	DST-SERB-CRG	Alam,O., Dr. (M) Assistant Professor Jamia Hamdard Mehrauli Badarpur Road, Hamdard Nagar New Delhi - 110 062 Delhi	34.08	36
3459	Insights into the signal transduction mechanism of GraXSR regulon required for antibiotic resistance in staphylococcus aureus	DST-SERB-CRG	Jain,D., Dr. (F) Assistant Professor Regional Centre for Biotechnology 3rd Milestone, Faridabad-Gurgaon Expressway Faridabad - 121 004 Haryana	43.82	36
3460	In-silicon drug discovery approach targeting Fatty Acid Syntheses (FASN) Ketoacyl Reductase (KR) domain for colorectal cancer treatment	DST-SERB-CRG	Moorthy,N.S.H.N., Prof. (M) Dean Indira Gandhi National Tribal University Kapil Dhara Road, Mekal Sadan, Anuppur Amarkantak - 484 887 Madhya Pradesh	40.60	36
3461	Investigating the role of Diviva domain containing proteins in M. Tuberculosis	DST-SERB-CRG	Nandicoori,V.K., Dr. (M) Staff Scientist VI National Institute of Immunology Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	58.40	36
3462	Investigating the role of LAP activation by nano-rifabutin loaded glucan particles in mycobacterial killing within human macrophage	DST-SERB-CRG	Sharma,R., Dr. (F) Associate Professor Integral University Kursi Road Lucknow - 226 026 Uttar Pradesh	29.70	36
3463	Investigating the role of superoxide in regulating the major events during embryo implantation	DST-SERB-CRG	Laloraya,M., Dr. (F) Scientist F Rajiv Gandhi Centre for Biotechnology Melarannoor Road, Poojapura, Thycad Thiruvananthapuram - 695 014 Kerala	50.43	36
3464	Investigation of metastatic potential of mitochondria & associated mechanisms using trans-mitochondrial cybrids	DST-SERB-CRG	Sharma,L.K., Dr. (M) Assistant Professor Sanjay Gandhi P.G. Institute of Medical Sciences Raebareli Road Lucknow - 226 014 Uttar Pradesh	40.00	36
3465	Investigation of the role of the SMC protein complex, condensing, in genome organization & maintenance	DST-SERB-CRG	Laloraya,S., Prof. (F) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	65.64	36
3466	Isolation & characterization of extracellular vesicles (exosomes) from human umbilical cord-derived mesenchymal stem cells & determination of their safety & efficacy for Ischemic stroke therapy	DST-SERB-CRG	Narayan,S.K., Dr. (M) Senior Professor Jawaharlal Institute of P.G. Medical Education & Research Dhanvantari Nagar, Kalapet Puducherry - 605 006 Puducherry	60.19	36
3467	Leukemia mediated bone marrow microenvironment alterations: Impact on drug resistance & measurable residual disease	DST-SERB-CRG	Mathews,V., Dr. (M) Professor Christian Medical College Vellore - 632 004 Tamil Nadu	70.48	36
3468	Mechanisms for prevention of aberrant OriC-independent chromosomal replication in bacteria	DST-SERB-CRG	Gowrishankar,J., Dr. (M) Senior Scientist Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S.Nagar Mohali - 140 306 Punjab	56.18	36
3469	Mechanistic exploration of the role of Sphingosine-1- Phosphate Receptor 1 (S1PR1) in regulating the functional fate of tumor infiltrating CD8 T cells	DST-SERB-CRG	Chatterjee,S., Dr. (M) Senior Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	46.54	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3470	Mechanistic insight of novel KLB locus for chronic pancreatitis pathophysiology in Indian population	DST-SERB-CRG	Bharadwaj,D., Prof. (M) Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	51.12	36
3471	Mechanistic insights into the folding & function of Zika virus NS1 protein: Implications for replication complex formation	DST-SERB-CRG	Giri,R., Dr. (M) Assistant Professor Indian Institute of Technology (Mandi) Vpo Kamand, Tehsil Sadar, Parashar Road Manali - 175 005 Himachal Pradesh	57.97	36
3472	Microneedles: Can be a good option for antipsychotic drug delivery?	DST-SERB-CRG	Londhe,V.Y., Dr. (F) Associate Professor SVKM's Narsee Monjee Institute of Management Studies School of Pharmacy & Technology Management, V. L. Mehta Road, Vile Parle Mumbai - 400 056 Maharashtra	30.83	36
3473	Micro-RNA expression signatures as predictors of therapy response in Psoriasis patients treated with methotrexate: A longitudinal study	DST-SERB-CRG	Rajappa,M., Dr. (F) Additional Professor Jawaharlal Institute of P.G. Medical Education & Research Dhanvantari Nagar Kalapet - 605 006 Puducherry	35.88	36
3474	Modeling of EWS-FLI orthotopic homograft reporter mice	DST-SERB-CRG	Ramachandran,B., Dr. (M) Associate Professor Cancer Institute (WIA) Canal Bank Road, Gandhinagar, Adyar Chennai - 600 020 Tamil Nadu	55.96	36
3475	Modulation of Canonical Wnt & cAMP signaling pathway may have intervention on ASD rodent model through $\beta$ -TrCP, GSK3- $\beta$ , Axin & APC protein complex	DST-SERB-CRG	Prakash,A., Dr. (M) Assistant Professor Postgraduate Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	29.80	36
3476	Modulation of host bioenergetics health & redox function via Selenium supplementation as a novel approach to Tuberculosis management	DST-SERB-CRG	Saini,V., Dr. (M) Assistant Professor All India Institute of Medical Sciences Sri Aurobindo Marg, Ansari Nagar New Delhi - 110 029 Delhi	53.85	36
3477	Molecular characterization of olfactory neuroblastomas for classification into prognostically & therapeutically relevant subgroups	DST-SERB-CRG	Kakkar,A., Dr. (F) Assistant Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	47.32	36
3478	Molecular characterization of the cytochrome C oxidase complex in plasmodium falciparum	DST-SERB-CRG	Balabaskarannina,P., Dr. (M) Assistant Professor Central University of Tamil Nadu C/o Collectorate Annexe Thiruvavur - 610 001 Tamil Nadu	56.68	36
3479	Molecular characterization of the functional role of Ser/Thr phosphates PHLPP in pancreatic beta cells to gain mechanistic insights into Diabetes	DST-SERB-CRG	Parsa,K., Dr. (M) Principal Res. Scientist & Head Dr. Reddy Institute of Life Sciences Hyderabad University, Gachibowli Hyderabad - 500 046 Telangana	62.84	36
3480	Molecular dissection of plasmodium falciparum importin a protein towards its assessment as a potential drug target	DST-SERB-CRG	Patankar,S., Dr. (F) Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	54.12	36
3481	Molecular mechanism of ESS (Type 7) secretion system secreted by staphylococcus aureus in relation to host immune response during infection	DST-SERB-CRG	Omar,B.J., Dr. (M) Associate Professor All India Institute of Medical Sciences Virbhadrha Road, Shivaji Nagar Rishikesh - 249 203 Uttarakhand	40.88	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3482	Molecularly imprinted polymer based biosensor for Tuberculosis detection	DST-SERB-CRG	Subramanian,V., Dr. (M) Assistant Professor Alagappa University College Road Karaikudi - 630 003 Tamil Nadu	17.75	36
3483	Multipartite dark matter at direct & collider searches	DST-SERB-CRG	Bhattacharya,S., Dr. (M) Assistant Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	31.05	36
3484	Natural template based novel neuroprotective molecules for the management of Alzheimer's disease	DST-SERB-CRG	Modi,G.P., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	37.20	36
3485	Near-infrared light degradable nanomicellar chemo-photodynamic therapy using aerobic Chlorin E6 conjugate for oropharyngeal carcinomas	DST-SERB-CRG	Biswas,S., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani) Shamirpet-Keesara Road, Jawahar Nagar, Shameerpet Hyderabad - 500 078 Telangana	30.72	36
3486	Novel drug discovery from natural products for the treatment of alcohol dependence & withdrawal	DST-SERB-CRG	Pandy,V., Dr. (M) Professor Chalapathi Institute of Pharmaceutical Sciences Chalapathi Nagar, Lam Guntur - 522 034 Andhra Pradesh	33.99	36
3487	Peptide-tethered multifunctional cationic nanocomplexes for delivery of IL-1 receptor antagonist for treatment of Type 2 Diabetes Mellitus	DST-SERB-CRG	Mittal,A., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	40.47	36
3488	Plasma metabolomic profiling to identify metabolic biomarkers for early detection of prediabetes associated with pancreatogenic Diabetes (Type3cDM) in chronic pancreatitis	DST-SERB-CRG	Sasikala,M., Dr. (F) Director Asian Healthcare Foundation 6-3-661, Somajiguda Hyderabad - 500 082 Telangana	61.64	36
3489	Post-Mastectomy Radiation Therapy in high risk, Node Negative women with early Breast Cancer (PMRT-NNBC)	DST-SERB-CRG	Wadasadawala,T., Dr. (F) Assistant Professor Tata Memorial Centre Dr. E Borges Road, Parel Mumbai - 400 012 Maharashtra	72.95	36
3490	Pre-clinical development of falcipain inhibitors as potent antimalarial	DST-SERB-CRG	Abid,M., Dr. (M) Assistant Professor Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	50.08	36
3491	Prenatal & postnatal exposure to pesticides & neurodevelopment of infants: Findings from DHANI cohort	DST-SERB-CRG	Chaudhry,M., Dr. (F) Project Manager Public Health Foundation of India NCR, 47, Sector 44 New Delhi - 110 016 Delhi	21.01	36
3492	Probing higher order architecture structure & gene expression in intracellular Mycobacterium Tuberculosis	DST-SERB-CRG	Nagaraja,V., Prof. (M) President Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	78.80	36
3493	Proteogenomics-based identification & characterization of a novel ITGB8 isoform in ovarian cancer & elucidation of its functional relevance	DST-SERB-CRG	Bapat,S.A., Dr. (F) Scientist G National Centre for Cell Sciences Ganeshkhind Pune - 411 007 Maharashtra	59.16	36
3494	Proteomics study to reveal differential protein interactions of SNAP-23 due to dynamic post-translational modifications during allergen induced mast cell activation	DST-SERB-CRG	Puri,N., Dr. (F) Assistant Professor Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	60.24	36



BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3495	Proteostasis impairment in the progression of Pseudoexfoliation syndrome & Glaucoma	DST-SERB-CRG	Alone,D.P., Dr. (F) Reader F National Institute of Science Education & Research Tehsildar Office, Khurda, Pipli, Near, Jatni Bhubaneswar - 752 050 Odisha	75.68	36
3496	Reducing the burden of orthodontic care for children with clefts: Evaluating the effectiveness of Pre-Alveolar Bone graft Orthodontics in unilateral non-syndromic cleft patients (PABO study)	DST-SERB-CRG	Thiruvengkatachari,B., Dr. (M) Director Bharath University 173, Agharam Road, Selaiyur Chennai - 600 073 Tamil Nadu	31.39	36
3497	Regulatory functions of microrRNAs during early lymphoid lineage differentiation	DST-SERB-CRG	Pongubala,J.M., Dr. (M) Professor Hyderabad University Hyderabad - 500 046 Telangana	57.78	36
3498	Role of carbonic anhydrases in Epstein-Barr Virus (EBV) induced B-cell-Lymphomagenesis	DST-SERB-CRG	Saha,A., Dr. (M) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	52.96	36
3499	Role of complement in influencing the severity & outcome of the pandemic Influenza a (H1N1) 2009 virus infection in humans - An association study	DST-SERB-CRG	Mullick,J.P., Dr. (F) Scientist E National Institute of Virology 20-A, Dr. Ambedkar Road, P.B.No. 11 Pune - 411 001 Maharashtra	62.13	36
3500	Role of Mia40 (Chchd4) in electron transport chain biogenesis & Fe-S cluster export	DST-SERB-CRG	Sepuri,N.B., Dr. (M) Professor Hyderabad University Hyderabad - 500 046 Telangana	49.82	36
3501	Role of mitophagy in macrophage polarization & sepsis-induced acute lung injury	DST-SERB-CRG	Syed,M.A., Dr. (M) Assistant Professor Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	51.72	36
3502	Role of Uprosome in differential regulation of IRE1 $\alpha$ associated ribonuclease activities	DST-SERB-CRG	Fazili,K.M., Prof. (M) Kashmir University Hazaratbal Srinagar - 190 006 Jammu & Kashmir	44.88	36
3503	Scrub Typhus: Vector identification, genotype diversity & distribution of Orientia Tsutsugamushi in Mizoram, north-east India	DST-SERB-CRG	Vanramliana, Dr. (M) Assistant Professor Pachhunga University College Aizawal - 796 001 Mizoram	45.54	36
3504	Star-pap control of 3'-end processing & alternative polyadenylation in cancer progression	DST-SERB-CRG	Laishram,R.S., Dr. (M) Scientist E-2 Rajiv Gandhi Centre for Biotechnology Melarannoor Road, Poojapura, Thycad Thiruvananthapuram - 695 014 Kerala	65.44	36
3505	Structural characterization of enzymes from Shikimate pathway for designing rational inhibitors as antimicrobial molecules	DST-SERB-CRG	Kumar,P., Prof. (M) Associate Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	21.01	36
3506	Structure determination & analysis of native, hybrid, mutant mycobacterial RecA & c-di-AMP complexes to develop novel allosteric inhibitors against Mycobacterium Tuberculosis	DST-SERB-CRG	Burra,P.V., Prof. (M) K.L. University Green Fields, Vaddeswaram, Kunchanapalli Post Vijayawada - 522 502 Andhra Pradesh	30.55	36
3507	Structure-activity relationship studies of a novel two-component Lantibiotic Roseocin	DST-SERB-CRG	Sareen,D., Dr. (F) Assistant Professor Panjab University Sector 14 Chandigarh - 160 014 Chandigarh	54.00	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3508	Studies on Endothelial nitric oxide syntheses (Enos) phosphorylation & its consequences on uncoupled no synthesis, tetrahydrobiopterin (Bh4) recycling & superoxide generation	DST-SERB-CRG	Haque,M.M., Dr. (M) Professor & Head Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	53.55	36
3509	Studies on immunomodulatory & therapeutic efficacy of corchorus capsularis L. leaf active component(s) against experimental visceral Leishmaniasis with special reference to resistant parasites	DST-SERB-CRG	Chakraborti,T., Prof. (F) Kalyani University Block C Kalyani - 741 235 West Bengal	45.24	36
3510	Studies on Platelet derived growth factor receptor signaling-mediated epigenetic regulation of immune responses upon infection with virulent mycobacterium	DST-SERB-CRG	Kithiganahalli,B.N., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	71.74	36
3511	Study the role of TRIM-NHL proteins in regulation of miRNAs modulating mitochondrial functions in Parkinson's disease	DST-SERB-CRG	Singh,R., Prof. (M) Maharaja Sayajirao University of Baroda Sayajigunj Vadodara - 390 002 Gujarat	60.06	36
3512	Studying migration of glioblastoma cells along white matter tracts using an in vitro 3D model	DST-SERB-CRG	Shah,N., Dr. (F) Mazumdar Shaw Medical Foundation Narayana Health, # 258/A Bommasandra Industrial Area, Anekal Taluk Bengaluru - 560 099 Karnataka	38.97	36
3513	Targeting dormant Mycobacterium Tuberculosis in bone marrow mesenchymal stem cells by inhibiting ABCG2 efflux pumps	DST-SERB-CRG	Khare,G., Dr. (F) Assistant Professor Delhi University New Delhi - 110 021 Delhi	47.63	36
3514	Targeting the role of serum acute phase proteins to induce peripheral T cell tolerance in breast, ovary & colon carcinoma	DST-SERB-CRG	Barik,S., Dr. (M) Sr. Scientific Officer Grade 2 Chittaranjan National Cancer Institute 37, S.P.Mukherjee Road Kolkata - 700 026 West Bengal	40.53	36
3515	The long noncoding RNA (lncRNA) landscape of hypoxia induced thrombosis	DST-SERB-CRG	Ashraf,M.Z., Prof. (M) Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	60.74	36
3516	The role of mitochondrial dynamics in mitochondrial dysfunction during the progression of cancer	DST-SERB-CRG	Kumar,S., Dr. (M) Fellow Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	56.24	36
3517	The role of reactive astrocytes in providing neuro protection in Parkinson's disease	DST-SERB-CRG	Ramanan,N., Dr. (M) Associate Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	66.32	36
3518	The transcription factor Hox required for animal development, elucidates a novel mechanism of regulating Th17 & Th9 cell differentiation	DST-SERB-CRG	Goswami,R., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	48.80	36
3519	Theragnostic strategy employing exosome profiling & plasma genotyping for early diagnosis of oral cancer	DST-SERB-CRG	Jayaseelan,V.P., Dr. (F) Research Scientist Saveetha Institute of Medical & Technical Sciences Post Box No. 6, No. 162, Poonamalle, High Road, Velappanchavadi Chennai - 600 077 Tamil Nadu	45.49	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3520	To compare the diagnostic efficacy of 99mTc-methionine with 11C-methionine & MRI in a correlation with histopathological findings in Glioma patients	DST-SERB-CRG	Kumar,P., Dr. (M) Assistant Professor National Institute of Mental Health & Neuro Sciences Hosur Road, Wilson Garden Bengaluru - 560 029 Karnataka	52.83	36
3521	To evaluate the diagnostic efficacy of 99mTc-PSMA scintigraphy in Prostate cancer as a cost-effective alternative to in vivo disease mapping with 68Ga-PSMA PET Imaging	DST-SERB-CRG	Singh,B., Prof. (M) Postgraduate Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	30.25	36
3522	To see the incidence & attempt to find the aetiology of incidental pleural adhesions seen during medico legal autopsy at AIIMS Bhopal	DST-SERB-CRG	Yadav,J., Dr. (F) Additional Professor All India Institute of Medical Sciences Saket Nagar Bhopal - 462 033 Madhya Pradesh	33.00	36
3523	To study the mechanosensitive cell surface protein Piezo1 as a target for metastatic colorectal cancer	DST-SERB-CRG	Jaganathan,B.G., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	39.82	36
3524	To study the utility of novel urinary biomarkers for management of Acute Kidney Injury (AKI) in patients with acute or chronic liver failure	DST-SERB-CRG	Maiwall,R., Dr. (F) Associate Professor Institute of Liver & Biliary Sciences Sector D-1, Vasant Kunj New Delhi - 110 070 Delhi	57.78	36
3525	Towards understanding the role of gut microbiota & their metabolites in the causation & treatment of Colorectal cancer	DST-SERB-CRG	Kumar,A., Dr. (M) Staff Scientist National Institute of Immunology Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	53.74	36
3526	Transcriptome analysis of multidrug efflux pump regulators & their knockouts in MDR strains of human pathogen acinetobacter Baumannii	DST-SERB-CRG	Prashanth,K., Dr. (M) Assistant Professor Pondicherry University Chinna, Kalapet Puducherry - 605 014 Puducherry	31.52	36
3527	Translational approach for reducing hepatocellular carcinoma through modulation of extracellular matrix protein Lysyl Oxidase (LOX) in tumor microenvironment	DST-SERB-CRG	Biswas,S., Prof. (M) Amity University Amity Road, Sector 125 Noida - 201 303 Uttar Pradesh	62.37	36
3528	Treating Malaria by targeting the regulatory mechanism PfATPase2 & PfATPase8 required to maintain lipid asymmetry in the parasite plasma membrane	DST-SERB-CRG	Das,S., Dr. (M) Fellow CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	50.73	36
3529	Tumor model & mechanistic studies of the AC2, AC7 & AC26 for the treatment of Glioblastoma	DST-SERB-CRG	Yergeri,M.C., Prof. (M) Narsee Monjee Institute of Management Studies V.L.Mehta Road, Vile Parle West, Juhu Mumbai - 400 056 Maharashtra	35.23	36
3530	Understanding genetic structure of the Aboriginal Lepcha tribe from Darjeeling hills	DST-SERB-CRG	Tamang,R., Dr. (M) Assistant Professor Calcutta University 87 /1, College Street Kolkata - 700 073 West Bengal	46.23	36
3531	Understanding selective drug mechanisms using hypertrophic patient-specific induced Pluripotent Stem Cell (iPSC) - derived cardiomyocytes	DST-SERB-CRG	Perundurai,D., Dr. (M) Assistant Professor Institute for Stem Cell Biology & Regenerative Medicine National Centre for Biological Sciences, Bellary Road	62.24	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3532	Understanding the biology of monocytes during chronic hepatitis B virus infection	DST-SERB-CRG	Datta,S., Prof. (F) Assistant Professor Institute of P.G. Medical Education & Research & S.S.K.M. Hospital 244, Acharya Jagadish Chandra Bose Road Kolkata - 700 020 West Bengal	51.39	36
3533	Understanding the cooperativity of protein folding reactions	DST-SERB-CRG	Udgaonkar,J.B., Prof. (M) Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	56.31	36
3534	Understanding the interconnection between long chain fatty acid metabolisms, reductive stress & envelope stress responses in Escherichia coli	DST-SERB-CRG	Chaba,R., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	62.06	36
3535	Understanding the role of unique miRNA mediated signaling circuits recruited differentially during endothelial mesenchymal transition associated with fibrosis & angiogenesis	DST-SERB-CRG	Kumar,S.V.B., Dr. (M) Assistant Professor Central University of Kerala Tejaswini Hills, Periyar Kasaragod - 671 123 Kerala	63.98	36
3536	Understanding the transcriptional landscape of IL10-producing anti-inflammatory T cells in IBD	DST-SERB-CRG	Awasthi,A., Dr. (M) Associate Professor Translational Health Science & Technology Institute NCR Biotech Science Cluster, 3rd Milestone, Faridabad - Gurgaon Expressway Faridabad - 122 016 Haryana	57.02	36
3537	Unraveling pathogenetic mechanisms of polycystic ovary syndrome by whole exome sequencing	DST-SERB-CRG	Mukherjee,S., Dr. (F) Scientist F ICMR-National Institute for Research in Reproductive Health Jehangir Merwanji Street, Parel Mumbai - 400 012 Maharashtra	62.13	36
3538	Uterine alarmins & their relevance in implantation	DST-SERB-CRG	Sachdeva,G., Dr. (F) Scientist F ICMR-National Institute for Research in Reproductive Health Jehangir Merwanji Street, Parel Mumbai - 400 012 Maharashtra	40.53	36
3539	Development of specific 'molecular signatures' for the diagnosis of Extrapulmonary Tuberculosis using an integrated OMICS approach	DST-SERB-ECRA	Halder,S., Dr. (F) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	45.87	36
3540	Mitochondrial clearance in aging brain: Therapeutic approach against differential neurodegeneration in Parkinson's disease	DST-SERB-ECRA	Chakraborty,J., Dr. (M) Scientist CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	39.56	36
3541	Understanding the role of light exposure & prolonged near-work in Myopia - An experimental study to identify optical/ imaging markers for sight-threatening Myopia	DST-SERB-ECRA	Verkcharla,P.K., Dr. (M) Scientist L.V. Prasad Eye Institute Kallam Anji Reddy Campus, L V Prasad Marg, Banjara Hills Hyderabad - 500 034 Telangana	31.97	36
3542	A phase III randomized study comparing two adjuvant hypofractionated radiation schedules in patients with breast cancer	DST-SERB-EMEQ	Yadav,B.S., Dr. (M) Additional Professor Postgraduate Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	17.65	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3543	Adaptive immune responses in human Shigellosis using human mini-intestines	DST-SERB-EMEQ	Mohan,B., Dr. (M) Additional Professor Postgraduate Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	48.55	36
3544	Antinutrients free Tamarindus Indicia seeds based composite food formulation	DST-SERB-EMEQ	Gunashree,B.S., Dr. (F) Assistant Professor Mangalore University P.G. Centre, Chikka Aluvvara, Somwarpet, Taluk Kodagu Mangalore - 571 232 Karnataka	43.23	36
3545	Characterization of breast microbiome & immunological responses in breast cancer	DST-SERB-EMEQ	Sable,M.N., Dr. (M) Assistant Professor All India Institute of Medical Sciences Sijua, Patrapada Bhubaneswar - 751 019 Odisha	48.59	36
3546	Deciphering collagen mediated signaling pathways in platelet adhesion, activation & intravascular thrombosis	DST-SERB-EMEQ	Surin,W.R., Dr. (M) Senior Scientific Officer Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	34.93	36
3547	Development of molecular diagnostics tool for identification of non-human primates malaria parasites plasmodium cynomolgi and plasmodium knowlesi	DST-SERB-EMEQ	Das,R., Dr. (M) Scientist C ICMR-National Institute of Malaria Research Sector 8, Dwarka New Delhi - 110 077 Delhi	26.55	36
3548	Development of multiplex Recombinase polymerase amplification (Rpa) based diagnostic test for invasive fungal infection	DST-SERB-EMEQ	Hallur,V., Dr. (M) Assistant Professor All India Institute of Medical Sciences Sijua, Patrapada Bhubaneswar - 751 019 Odisha	33.95	36
3549	Development of peptide functionalized Aunp nanosensor monitoring of prognostic biomarker in chronic Aflatoxicosis associated Hepatocellular Carcinoma	DST-SERB-EMEQ	Umamaheswari,K., Dr. (M) Associate Professor Madras University Chepauk Campus,Triplicane Chennai - 600 005 Tamil Nadu	50.36	36
3550	Evaluation of the genotype-phenotype correlation in Idiopathic dilated cardiomyopathy (Idcm) in an Indian cohort	DST-SERB-EMEQ	Moka,R., Dr. (M) Professor Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	41.84	36
3551	Exploring the tumor associated macrophage/myeloid derived suppressor cell mediated Cflip regulation for identification of potential therapeutic targets in breast cancer metastasis	DST-SERB-EMEQ	Biswas,N., Dr. (M) Assistant Professor Presidency College 86/1 College Street Kolkata - 700 073 West Bengal	46.73	36
3552	Functional characterization & clinical validation of identified differentially expressed candidate genes associated with cervical cancer progression & recurrence	DST-SERB-EMEQ	Pawar,S.C., Dr. (F) Associate Professor Osmania University Hyderabad - 500 007 Telangana	49.25	36
3553	Gene expression assessment & association of Wnt signaling pathway with depression in individuals with Type 2 Diabetes mellitus	DST-SERB-EMEQ	Saha,S., Dr. (F) Assistant Professor All India Institute of Medical Sciences Virbhadra Road, Shivaji Nagar Rishikesh - 249 201 Uttarakhand	23.32	36
3554	Human Lacrimal gland regeneration: A study of the existing technological advancements & development of next generation solutions by tissue engineering & regenerative medicine techniques	DST-SERB-EMEQ	Singh,V.K., Dr. (M) Associate Professor Amity University Panchgaon, Manesar Gurgaon - 122 413 Haryana	43.68	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3555	Isolation, characterization, & investigation of cellulose nanocrystals from wild Musa Spp. Of Mizoram as functional tablet excipient	DST-SERB-EMEQ	Lalduhsanga,P., Dr. (M) Assistant Professor Assam University East Road Silchar - 788 011 Assam	29.83	36
3556	Klotho regulation as a novel therapeutic strategy against acute kidney injury-diabetes comorbidity: Impact of epigenetic driven & epigenetic independent reactivation of endogenous Klotho expression	DST-SERB-EMEQ	Gaikwad,A.B., Prof. (M) Associate Professor Birla Institute of Technology & Science (Pilani) Vidya Vihar Pilani - 333 031 Rajasthan	50.33	36
3557	Molecular & functional characterization of Biotinidase (Btd) gene mutations associated with mitochondrial dysfunction & a disease	DST-SERB-EMEQ	Arumugam,P., Dr. (M) Research Scientist Saveetha Institute of Medical & Technical Sciences Post Box No. 6 No. 162, Poonamalle, High Road Chennai - 600 077 Tamil Nadu	50.52	36
3558	Neurobiological correlates of suicidality in major depressive disorder using multimodal brain imaging at A Tertiary Psychiatric hospital in India	DST-SERB-EMEQ	Reddi,S.K., Dr. (M) Additional Professor National Institute of Mental Health & Neuro Sciences Hosur Road, Lakkasandra, Laljinagar, Wilson Garden Bengaluru - 560 029 Karnataka	33.61	36
3559	Peptide-aptamer functionalized stimuli-responsive nanocarriers for targeted delivery of anti-cancer bioactive to achieve eradication of breast tumor	DST-SERB-EMEQ	Gajbhiye,K., Dr. (F) Assistant Professor Poona College of Pharmacy Bharati Vidyapeeth, Erandwane Pune - 411 038 Maharashtra	32.49	36
3560	Pharmacological exploration of mitochondrial metabolomics to treat chemotherapy induced cognitive impairments	DST-SERB-EMEQ	Singh,A., Dr. (F) Associate Professor I.S.F. College of Pharmacy G.T. Road, NH-95, Ghal Kalan Moga - 142 001 Punjab	34.25	36
3561	Pro-Adrenomedullin as a novel biomarker for predicting infections & response to antimicrobial therapy in febrile neutropenic children with cancer & its comparison to procalcitonin	DST-SERB-EMEQ	Meena,J.P., Dr. (M) Assistant Professor All India Institute of Medical Sciences Sri Aurobindo Marg, Ansari Nagar New Delhi - 110 029 Delhi	42.19	36
3562	Studies on regulation of Ppar $\gamma$ & Ix $\alpha$ by dietary lipids: Efficiency of Bcmo1 activity & Sr-B1 mediated uptake of provitamin a carotenoids in human intestinal Caco-2 cell line	DST-SERB-EMEQ	Lakshminarayana,R., Dr. (M) Assistant Professor Stage III Bangalore University Mysore Road, Jnana Bharathi Bengaluru - 560 056 Karnataka	49.09	36
3563	The impact of endodontic microscope on the outcome of root canal treatment of deciduous molars	DST-SERB-EMEQ	Kumar,G., Dr. (M) Associate Professor Maulana Azad Medical College Bahadur Shah Zafar Marg New Delhi - 110 002 Delhi	34.86	25
3564	To evaluate the effect of Wnt/ $\beta$ catenin signaling pathway modulators 6- Bio (Gsk-3 beta & Cdk5 dual inhibitors) & Niclosamide (Dvl protein inhibitor) as a novel agents in Temporal Lobe Epilepsy (TLE) in rats	DST-SERB-EMEQ	Saha,L., Dr. (F) Professor Postgraduate Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	39.10	36
3565	Trastuzumab & lrgd decorated dual targeted liposome for targeted delivery of Lycorine & Gefitinib for Her2 positive breast cancer & its brain metastasis	DST-SERB-EMEQ	Rajinikanth,P.S., Dr. (M) Associate Professor Babasaheb Bhimrao Ambedkar University Vidya Vihar, Raebareli Road Lucknow - 226 025 Uttar Pradesh	51.15	36
3566	To develop & establish medicine 9 printing technology for printing of medicines on oral thin films	DST-SERB-IRRD	Sapkal,N.P., Dr. (F) Guru Nanak College of Pharmacy Nagpur - 440 026 Maharashtra	29.15	36
3567	3d printed biomedical personalized caps with drug releasing ability for rescue of Alopecia condition after chemotherapy	DST-SERB-SRG	Misra,S.K., Prof. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	28.39	24

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3568	A genomic & metagenomic insight into the anthropophilic behaviour in aedes aegypti, a highly efficient arboviral disease vector	DST-SERB-SRG	Sarma,D.K., Dr. (M) Scientist C National Institute for Research in Environmental Health Kamla Nehru Hospital Building, Gandhi Medical College Campus Bhopal - 462 030 Madhya Pradesh	31.05	24
3569	An intergenerational nutritional supplementation approach for the establishment of a healthy microbiome in pregnant women (taking iron supplementation) & her newborn in a low socio-economic cohort in Odisha	DST-SERB-SRG	Ramadas,B., Dr. (M) Assistant Professor All India Institute of Medical Sciences Sijua, Patrapada Bhubaneswar - 751 019 Odisha	26.07	24
3570	Deciphering the role of the Unfolded protein response (Upr) pathway to combat chemo-resistance in triple negative breast cancer cells: Involvement of a natural anthraquinone, emodin	DST-SERB-SRG	Ghosh,S., Dr. (F) Assistant Professor Amity University Major Arterial Road, Action Area II, Kadampukur Village, Rajarhat Kolkata - 700 135 West Bengal	29.35	27
3571	Design & synthesis of novel structural analogues of mefloquine & coated with modified chitosan as nanoparticles to produce synergetic effect & sustained release drug delivery for the treatment of malaria	DST-SERB-SRG	Raj,V., Dr. (M) Assistant Professor Suresh Gyan Vihar University Mahal Jagatpura Jaipur - 302 017 Rajasthan	23.79	24
3572	Determining the role of the gastric microbiota in helicobacter pylori infection to utilize it for the development of a probiotic therapy	DST-SERB-SRG	Mukherjee,O., Dr. (F) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	31.05	30
3573	Development & evaluation of in vitro three dimensional liver disease model system Organ-on-Chip	DST-SERB-SRG	Tripathi,D.M., Dr. (M) Instructor Institute of Liver & Biliary Sciences Sector D-1, Vasant Kunj New Delhi - 110 070 Delhi	32.07	24
3574	Development of corticospinal integrity assessment framework for stroke patients in low-resource settings	DST-SERB-SRG	Sridharan,K.S., Dr. (M) Assistant Professor Indian Institute of Technology (Hyderabad) Kandi Village Sangareddy - 502 285 Telangana	29.49	29
3575	Development of cost effective, biocompatible suture biomaterial from banana (Musa balbisiana) pseudostem in the field of veterinary research	DST-SERB-SRG	Kalita,H., Dr. (F) Assistant Professor Assam Don Bosco University Tapesia Gardens, Kamarkuchi Sonapur - 782 402 Assam	25.40	26
3576	Development of Loop mediated isothermal amplification (Lamp) assay for rapid detection of artemisinin resistant falciparum Malaria in India	DST-SERB-SRG	Mallick,P.K., Dr. (M) Scientist C ICMR-National Institute of Malaria Research Sector 8, Dwarka New Delhi - 110 077 Delhi	19.96	24
3577	Development of nanoformulation containing follistatin like-1 protein/peptide with zingiberaceae & citrus plants derived nanovesicles for treating chronic ulcers	DST-SERB-SRG	Meenakshisundaram,G., Dr. (M) Principal Scientist CSIR-Central Food Technological Research Institute Cheluvamba Mansion, Devaraja Mohalla, Kajjehundi Mysore - 570 020 Karnataka	27.79	24
3578	Identification of immunogenetic risk factors for serious fungal infections in children-a next-generation sequencing based study	DST-SERB-SRG	Vignesh,P., Dr. (M) Assistant Professor Postgraduate Institute of Medical Education & Research Madhya Marg, Sector 12 Chandigarh - 160 012 Chandigarh	30.28	24
3579	Interactions between reward motivation & negative emotional processing	DST-SERB-SRG	Padmala,S., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	26.84	27

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3580	Isolation & characterization of the receptor of sperm motility stimulating protein from sperm membrane & finding its role & mechanism in fertility management	DST-SERB-SRG	Saha,S., Dr. (M) Assistant Professor Amity Institute of Psychology & Allied Science Amity University Campus, Sector 125 Noida - 201 313 Uttar Pradesh	29.75	26
3581	Molecular characterization of a small-molecule based reprogramming of non-adipocytes cells to brown adipocytes for its potential use as anti-obesity drug	DST-SERB-SRG	De,D., Dr. (M) Assistant Professor National Institute of Technology (Durgapur) Mahatma Gandhi Road, A-Zone Durgapur - 713 209 West Bengal	31.67	27
3582	Novel strategies in green synthesis of smart, biomimetic scaffolds bio-functionalized with growth factors for meniscus regeneration	DST-SERB-SRG	Gopalshankar,K., Dr. (M) Assistant Professor Level II P.S.G. Institute of Advanced Studies Post Box 1609, Avinashi Road, Peelamedu Coimbatore - 641 004 Tamil Nadu	24.88	25
3583	Regulation of adult hippocampal neurogenesis by exercise - role of the noradrenergic system	DST-SERB-SRG	Jha,S., Dr. (M) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	26.48	24
3584	Role of Cystic fibrosis transmembrane conductance regulator (Cftr) in the pathogenesis of Non-alcoholic steatohepatitis (Nash)	DST-SERB-SRG	Sinha,R.A., Dr. (M) Assistant Professor Sanjay Gandhi P.G. Institute of Medical Sciences Raebareli Road Lucknow - 226 014 Uttar Pradesh	32.70	25
3585	Silk protein - biomaterial based nanofibrous scaffold containing deferroxamine & ferulic acid for rapid healing of diabetic foot ulcer	DST-SERB-SRG	Rajinikanth,P.S., Dr. (M) Associate Professor Babasaheb Bhimrao Ambedkar University Vidya Vihar, Raebareli Road Lucknow - 226 025 Uttar Pradesh	29.13	27
3586	Understand the regulation of lacritin expression during infection & characterize molecular pathways induced by lacritin in Corneal Epithelium	DST-SERB-SRG	Karnati,R., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	31.46	24
3587	Underwater visual performance & blur adaptation in swimmers & divers	DST-SERB-SRG	Radhakrishnan,A., Dr. (F) Assistant Professor S.R.M. Institute of Science & Technology S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	29.49	29
3588	Unraveling the molecular mechanism(s) behind the immune-switch from immunosuppressive to immunogenic phenotype in differentiated allogenic mesenchymal stem cells intended for bone tissue repair/regeneration	DST-SERB-SRG	Sekaran,S., Dr. (M) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	24.29	24
3589	Unraveling the role of RNA-binding protein quaking in cardiac remodeling with emphasis on Titin alternative splicing	DST-SERB-SRG	Gupta,S.K., Dr. (M) Scientist CSIR-Central Drug Research Institute Sector 10, Jankipuram Extension, Sitapur Road Lucknow - 226 031 Uttar Pradesh	32.47	27
3590	Visual functional deficits in primary angle closure glaucoma	DST-SERB-SRG	Ballaeganeshras,S., Dr. (M) Assistant Professor Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	21.46	27
3591	Impact of community based targeted intervention on incidence & control of Non-Communicable Diseases NCDs among tribal population of Kashmir valley	DST-SSTP	Shah,O.J., Prof. (M) Director Sher-I-Kashmir Institute of Medical Sciences Post Bag 27, Soura Srinagar - 190 011 Jammu & Kashmir	208.11	36
3592	Design & development of tooth colored ceramic dental braces set by micro-ceramic injection molding	DST-SYST	Das,P., Mr. (M) CSIR-Central Mechanical Engineering Research Institute Durgapur - 713 209 West Bengal	30.41	36



BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3593	Childhood Diabetes - District outreach as a model for decentralized care & education through use of telemedicine	DST-TIASN	Bhatia,V., Dr. (F) Sanjay Gandhi P.G. Institute of Medical Sciences New PMSSY Road, Raibareli Road Lucknow - 226 014 Uttar Pradesh	59.86	36
3594	Food fortification technology to combat primary health care deficiencies & economic empowerment of dwellers in forest fringe villages	DST-TITE	Indhuleka, Dr. (F) Sri Krishna College of Engineering & Technology Coimbatore - 641 008 Tamil Nadu	60.21	36
3595	A study on qualitative & quantitative role of angiogenic genes in couples with recurrent miscarriages	DST-WOS-A	Sultana,S., Dr. (F) Osmania University Institute of Genetics & Hospital for Genetic Diseases Hyderabad - 500 016 Telangana	36.83	36
3596	Anti-fibrillation activity of human Protein-L-Isoaspartyl-Methyl Transferase (PIMT) & its modulation in presence of nanoparticles	DST-WOS-A	Chatterjee,T., Dr. (F) Bose Institute P1/12, CIT Scheme VII-M Kolkata - 700 054 West Bengal	33.85	36
3597	Asymptomatic Malaria infections in Indian endemic regions: Measurement, transmission & public health relevance	DST-WOS-A	Sharma,N., Dr. (F) ICMR-National Institute of Malaria Research Dwarka New Delhi - 110 077 Delhi	22.89	36
3598	BK virus in renal transplant recipients; study of risk factors & immunological predictors	DST-WOS-A	Nair,A.M., Ms. (F) Kannur University Kannur - 670 503 Kerala	22.14	36
3599	Deciphering the complex crosstalk between micro-RNAs, competitive endogenous RNAs & RNA binding proteins & its effect on turnover/ translation of target mRNAs in human breast cancer	DST-WOS-A	Sen,K., Dr. (F) Indian Institute of Science Education & Research (Kolkata) Kolkata - 741 246 West Bengal	36.60	36
3600	Deciphering the roles of Mycobacterium Tuberculosis proteases in host-pathogen interaction: Implications for novel drug discovery & vaccine development	DST-WOS-A	Garg,T., Ms. (F) CSIR-Central Drug Research Institute Lucknow - 226 031 Uttar Pradesh	23.37	36
3601	Dereplication guided bio-prospecting of cyclic lipopeptides from marine bacillus sp. For inhibition of Mycobacterium Tuberculosis	DST-WOS-A	Devi,S., Dr. (F) National Institute for Research in Tuberculosis Chennai - 600 031 Tamil Nadu	31.65	36
3602	Development & evaluation of polysaccharides based potential drug delivery systems	DST-WOS-A	Modi,D., Ms. (F) Guru Jambheshwar University of Science & Technology Hisar - 125 001 Haryana	23.55	36
3603	Exploring the role of alpha-synuclein in dopaminergic neuron dysfunction - Targeting phosphorylation as therapeutics in PD	DST-WOS-A	Kaushal,A., Dr. (F) National Institute of Mental Health & Neuro Sciences Bengaluru - 560 029 Karnataka	36.33	36
3604	Genomic & biochemical correlation of "Prakriti" stratified patients diagnosed with Coronary Artery Disease (CAD): An integrative approach towards personalized CAD management	DST-WOS-A	Dua,P., Dr. (F) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	31.21	36
3605	Identification of exosomes derived biomarkers for early diagnosis of Paediatric Tuberculosis	DST-WOS-A	Yadav,R., Dr. (F) ICMR-National Jalma Institute for Leprosy & other Mycobacterial Diseases Agra - 282 004 Uttar Pradesh	31.85	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3606	Immunomodulatory effect of human $\beta$ -defensing & mellitin to microbial infection in zebra fish embryo	DST-WOS-A	Thankappan,B., Dr. (F) Bharathiar University Coimbatore - 641 046 Tamil Nadu	35.36	36
3607	Investigating the miR-335- mRNA regulatory network in esophageal cancer by next generation sequencing expression profiles	DST-WOS-A	Suyal,G., Dr. (F) Guru Govind Singh Indraprastha University Sector 16-C, Dwarka New Delhi - 110 075 Delhi	31.11	36
3608	Mechanistic studies on the therapeutic efficacy of enicostemma littoral in Diabetic cardiomyopathy	DST-WOS-A	Kuberapandian,D., Ms. (F) P.S.G. College of Arts & Science Coimbatore - 641 014 Tamil Nadu	21.49	36
3609	MicroRNAs as prognostic biomarkers of chemoresistance & chemosensitivity in ovarian cancer patients undergoing combinational therapy	DST-WOS-A	Pal,R., Ms. (F) Chittaranjan National Cancer Institute Kolkata - 700 026 West Bengal	21.92	36
3610	Molecular detection of agents & inflammatory proteins associated with suspected amoebic meningoencephalitis	DST-WOS-A	John,D.V., Dr. (F) National Institute of Mental Health & Neuro Sciences Bengaluru - 560 029 Karnataka	36.50	36
3611	Molecular mechanisms mediating diabetic retinal neurodegeneration: Role of cell adhesion molecules	DST-WOS-A	Chakravarthy,H., Dr. (F) Indian Institute of Science Education & Research (Tirupati) Tirupati - 517 507 Andhra Pradesh	29.34	36
3612	Nanonized poydopamine infused amniotic membrane extract for ocular surface treatment & drug delivery	DST-WOS-A	Rajarajeshwari,T., Ms. (F) CSIR-Central Leather Research Institute Chennai - 600 020 Tamil Nadu	28.05	36
3613	Pharmacological evaluation of optimized herbal formulation in a validated model of Rheumatoid Arthritis with cardiovascular complications	DST-WOS-A	Dubey,T., Ms. (F) Maharaja Sayajirao University of Baroda Vadodara - 390 001 Gujarat	24.80	36
3614	Rapid multi-gene search for deafness causing mutations among assortative mating hearing impaired families from India	DST-WOS-A	Mathuravalli,K., Ms. (F) Madras University Chennai - 600 113 Tamil Nadu	24.89	36
3615	Role of probiotic and EPC in high fat diet alcoholic induced liver disease	DST-WOS-A	Chaudhary,N., Dr. (F) National Institute of Immunology Aruna Asaf Ali Marg New Delhi - 110 067 Delhi	36.38	36
3616	Study of miRNA 125a expression & polymorphic variations with respect to its regulatory LIFR gene expression to evaluate their implications in recurrent pregnancy losses	DST-WOS-A	Kunroo,U.M., Ms. (F) Sher-I-Kashmir Institute of Medical Sciences Srinagar - 190 011 Jammu & Kashmir	22.07	36
3617	Study of oncogenic drivers & their transcriptional regulation in ovarian cancers	DST-WOS-A	Singh,I., Ms. (F) Amity University Noida - 201 313 Uttar Pradesh	23.80	36
3618	Study the chemosensitizing effect of metformin/lovastatin in obesity associated aggressive breast cancer cells	DST-WOS-A	Soonu,V.K., Ms. (F) Kannur University Thalassery Kannur - 670 661 Kerala	21.50	36
3619	Targeted delivery of anti-Alzheimer drugs loaded lipidic nanoparticles to the brain	DST-WOS-A	Jain,D.P., Ms. (F) Jamia Hamdard Hamdard Nagar New Delhi - 110 062 Delhi	27.25	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3620	Unraveling the mechanism of AGE-R1 regulation & therapeutically targeting AGE-R1 to modulate pro-inflammatory dietary factors (AGEs) in age-related disease	DST-WOS-A	Shobha,M.S., Dr. (F) CSIR-Central Food Technological Research Institute Mysore - 570 020 Karnataka	34.13	36
3621	To see the effect of obstructive sleep apnea in north Indian women with polycystic ovary syndrome	DST-WS	Guleria,R., Dr. (M) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	62.94	36
3622	A cross-sectional study on the prevalence of coxiellosis among domestic ruminant population in southern district of Tamil Nadu	ICMR-ADHOC	Rajagunalan,S., Dr. (M) Assistant Professor Veterinary College & Research Institute Chennai - 600 051 Tamil Nadu	25.11	24
3623	A prospective analytical study on the alteration of immunocellular & immunomodulatory factors during activation phase & after remission of Psoriatic patients & its correlation with disease severity & clinical outcome: A hospital based study	ICMR-ADHOC	Baruah,D., Dr. (M) Associate Professor Fakhruddin Ali Ahmad Medical College Joti Gaon Barpeta - 781 301 Assam	19.80	24
3624	A prospective study of viral infections in hematopoietic stem cell transplant recipients at a tertiary care hospital in India	ICMR-ADHOC	Brijwal,M., Dr. (F) Associate Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	13.68	36
3625	A randomised trial to assess the efficacy of add on therapy with Aspirin & Clopidogrel to the standard medical therapy alone in patients with Tubercular Meningitis	ICMR-ADHOC	Bhatia,R., Dr. (M) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	36.43	36
3626	A study to evaluate impact of ambient air pollution on the respiratory health of school going children in Barpeta district, Assam, India	ICMR-ADHOC	Bania,D., Dr. (F) Fakhruddin Ali Ahmad Medical College Joti Gaon Barpeta - 781 301 Assam	19.43	24
3627	An Investigational study on mycobacteriophages & their enzymes as New Drugs (IND) for treating Tuberculosis	ICMR-ADHOC	Patil,S.A., Dr. (M) ICMR-National Jalma Institute for Leprosy & other Mycobacterial Diseases Agra - 282 001 Uttar Pradesh	37.95	36
3628	Assessment of pathological complete response using vacuum assisted biopsy in breast cancer patients who have clinical & radiological complete response after neo-adjuvant chemotherapy	ICMR-ADHOC	Khare,S., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	13.83	12
3629	Assessment of micro-climatic variation on the population dynamics of Dengue vector using a landscape genetics approach in an urban landscape	ICMR-ADHOC	Sarma,D.K., Mr. (M) Scientist C ICMR-National Institute for Research in Environmental Health Bhauri Bhopal - 462 030 Madhya Pradesh	28.21	36
3630	Bio-markers for prediction of successful pregnancy in women undergoing ART: Using the proteomics approach in a north Indian population: Hospital based prospective cohort study	ICMR-ADHOC	Gulati,A., Dr. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	34.68	36
3631	Cell free skin & chemically modified silk hydrogel as wound packing of pressure ulcers in spinal cord injury patients	ICMR-ADHOC	Chhabra,H.S., Dr. (M) Indian Spinal Injuries Centre New Delhi - 110 070 Delhi	45.62	36
3632	Cellular prion: A novel regulator of decidual cell function at the maternal-fetal interface	ICMR-ADHOC	Ain,R., Dr. (F) Scientist F CSIR-Indian Institute of Chemical Biology Kolkata - 700 032 West Bengal	30.80	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3633	Characterization of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) gene mutations in Indian patients with cystic fibrosis using Next Generation Sequencing (NGS) based approach & development of a cost effective strategy for mutation screening	ICMR-ADHOC	Vaidya,P.C., Dr. (M) Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	37.24	36
3634	Chronic kidney disease & associated risk factors among auto-rickshaw drivers from Delhi NCR-emphasis on air pollution	ICMR-ADHOC	Singh,N.P., Prof. (M) Max Super Speciality Hospital Saket New Delhi - 110 017 Delhi	36.22	48
3635	Clinical & genomic characterization of Indian patients with Arthrogryposis Multiplex Congenita (AMC) using next generation sequencing	ICMR-ADHOC	Gupta,N., Dr. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	26.74	36
3636	Deliberate self harm in adolescents: A school based study	ICMR-ADHOC	Patra,B.N., Dr. (M) Additional Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	26.69	36
3637	Design, synthesis & development of novel DprE1 enzyme inhibitors as anti-Tubercular agents	ICMR-ADHOC	Pujar,G.V., Dr. (M) Professor & Head J.S.S. College of Pharmacy Mysore - 570 004 Karnataka	38.83	36
3638	Designing of patient specific total elbow replacement prosthesis for Indian population	ICMR-ADHOC	Garg,B., Dr. (M) Additional Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	84.64	36
3639	Development of engineered non-woven textured surfaces for gum pad cleaing of infants	ICMR-ADHOC	Satapathy,B.K., Dr. (M) Professor Indian Institute of Technology (Delhi) New Delhi - 110 016 Delhi	40.22	24
3640	Development of fetal growth nomograms standards specific to the Indian antenatal population to detect fetal growth disorders which cause increased perinatal morbidity - Mortality & adverse long term adult health consequences - Study design: Prospective ..	ICMR-ADHOC	Suri,V., Dr. (F) Professor & Head Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	39.40	36
3641	Development of variable threaded tapered screw for high pull out strength	ICMR-ADHOC	Salunke,P., Dr. (M) Professor Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	21.00	24
3642	Early detection of septic shock for reduction in neonatal mortality	ICMR-ADHOC	Saini,S.S., Dr. (M) Associate Professor Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	49.29	36
3643	Effect of daily Vitamin D supplementation on serum Vitamin D levels in children with Epilepsy receiving sodium valproate monotherapy - A double-blind randomized controlled trial	ICMR-ADHOC	Mishra,D., Dr. (M) Maulana Azad National Urdu University New Delhi - 110 025 Delhi	20.20	24
3644	Effect of millet breads on biomarkers of glucose metabolism in Type 2 Diabetic subjects: A randomized, double blind controlled trial	ICMR-ADHOC	Nazni,P., Prof. (F) Periyar University Salem - 636 011 Tamil Nadu	32.40	24
3645	Effect of Nrf2 activator & P38 MAPK inhibitor Dimethyl fumarate on paclitaxel induced peripheral neuropathy in rats	ICMR-ADHOC	Handu,S., Prof. (M) All India Institute of Medical Sciences Rishikesh - 249 203 Uttarakhand	8.50	24

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3646	Effect of occupational ionizing radiation exposure on hearing in allied health workers: A case control study	ICMR-ADHOC	Pitchaimuthu,A., Dr. (M) Associate Professor Kasturba Medical College & Hospital Manipal - 576 104 Karnataka	20.11	36
3647	Effect of peer volunteer led intervention on addressing loneliness & its consequences among elderly residing in urban field practice area of JIPMER, Puducherry a single Arm before-after intervention study	ICMR-ADHOC	Sahu,S.K., Dr. (M) Additional Professor Jawaharlal Institute of P.G. Medical Education & Research New Delhi - 110 002 Delhi	17.43	36
3648	Efficacy of Mhealth interventions for improving maternal & neonatal outcomes among pregnant women with hypertensive disorders	ICMR-ADHOC	Noronha,J.A., Dr. (F) Manipal University Manipal Academy of Higher Education Manipal - 576 104 Karnataka	7.50	12
3649	Elucidation of molecular mechanism & function of Mycobacterium SigE in temperature perception, response & pathogenesis	ICMR-ADHOC	Kanchan,K., Dr. (F) Associate Professor Amity University Noida - 201 301 Uttar Pradesh	40.49	36
3650	Engaging the ethnomedical practitioners in primary care & referrals: An action research project on community participation in health care	ICMR-ADHOC	Bhallamudi,S.V., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	39.92	36
3651	Environmental exposure of heavy metals, toxic elements & its impact on renal cell carcinoma induction & progression	ICMR-ADHOC	Nayak,B., Dr. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	43.05	36
3652	Exploring the Tumour Micro Environment (TME) & its relationship with the prognostic factors & in-vitro drug response across different molecular subtypes of breast cancer	ICMR-ADHOC	Bal,A., Dr. (F) Professor Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	30.49	36
3653	Generation & characterization of monoclonal antibodies against Nipah virus	ICMR-ADHOC	Sapkal,G.N., Dr. (M) ICMR-National Institute of Virology Pune - 411 001 Maharashtra	28.22	24
3654	Genomic analysis orientia Tsutsugamushi: Feasibility of direct WGS (Whole Genome Sequencing)	ICMR-ADHOC	Prakash,J.A.J., Prof. (M) Christian Medical College Vellore - 632 004 Tamil Nadu	33.29	36
3655	Glucose responsive nanoparticles loaded microneedle patches for the delivery of Insulin	ICMR-ADHOC	Lewis,S.A., Dr. (M) Professor Manipal College of Pharmaceutical Sciences Manipal - 576 104 Karnataka	21.00	36
3656	Harnessing therapeutic potential of novel Spisulosine derivative as robust autophagy inducer against Triple Negative Breast Cancer (TNBC) in-vitro & in-vivo	ICMR-ADHOC	Datta,D., Dr. (M) CSIR-Central Drug Research Institute Lucknow - 226 031 Uttar Pradesh	16.60	36
3657	Health care access model for detection of oral potentially malignant disorders in tribal settings of Odisha	ICMR-ADHOC	Routray,S., Dr. (F) All India Institute of Medical Sciences Bhubaneswar - 751 019 Odisha	15.70	24
3658	Identification & evaluation of the immune response (B & Tcells) to peptides derived from ToIC protein of Rickettsial group (Rickettsiaceae) of pathogens as a novel candidate peptide vaccine for human use	ICMR-ADHOC	Nandagopal,B., Dr. (M) Sri Narayani Hospital & Research Centre Vellore - 632 055 Tamil Nadu	48.86	24

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3659	Identification & validation of gene signature profile to predict the recurrence & progression of Urothelial cancer: A cohort study	ICMR-ADHOC	Singh,V., Prof. (M) King George's Medical University Lucknow - 226 003 Uttar Pradesh	44.35	36
3660	Identification of early bio markers of functional poly cystic ovarian syndrome in rat model & their validation in human counterparts	ICMR-ADHOC	Bashir,S.M., Dr. (M) Assistant Professor Sher-E-Kashmir University of Agriculture Sciences & Technology (Srinagar) Srinagar - 190 017 Jammu & Kashmir	68.74	36
3661	Identification of Mycobacterium Tuberculosis Complex (MTBC) organisms in the lymph node samples of slaughtered cattle in Chennai	ICMR-ADHOC	Palaniyandi,K., Dr. (M) Scientist D ICMR-National Institute for Research in Tuberculosis Chennai - 600 031 Tamil Nadu	26.92	36
3662	Identification of urinary & gastric lavage biomarkers & development of antigen detection assay for the diagnosis of Pediatric Pulmonary Tuberculosis	ICMR-ADHOC	Verma,I., Dr. (F) Professor Postgraduate Institute of Medical Education & Research Chandigarh - 160 012 Chandigarh	49.66	36
3663	Identifying factors affecting health behaviour of tribes of Uttarakhand & developing dairy based interventions to improve their health & livelihood status	ICMR-ADHOC	Kumar,N., Dr. (M) Research Scientist ICAR-National Dairy Research Institute Karnal - 132 001 Haryana	34.94	36
3664	Improving Airborne Infection Control (AIC) practices in health care facilities involved in the management of Tuberculosis in Chennai	ICMR-ADHOC	Devaleenai,B.D., Dr. (F) ICMR-National Institute for Research in Tuberculosis Chennai - 600 031 Tamil Nadu	33.46	24
3665	In vitro & in vivo study of 4G mobile phone radiation on reproductive system	ICMR-ADHOC	Rajamani,P., Prof. (M) Jawaharlal Nehru University New Delhi - 110 067 Delhi	37.53	36
3666	In vitro evaluation of effects of Electromagnetic Field (EMF) on male reproductive health	ICMR-ADHOC	Chaturvedi,P.K., Prof. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	58.28	36
3667	Incidence of acute Gastrointestinal injury in critically ill children	ICMR-ADHOC	Lodha,R., Dr. (M) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	41.05	36
3668	Influence of demographic, clinical, genetic & pattern of management in maintaining long term abstinence among patients of alcohol use disorders who received treatment from De-addiction centres in Thrissur district: A prospective follow up study	ICMR-ADHOC	Kuttichira,P., Dr. (M) Jubilee Mission Medical College & Research Institute Thrissur - 680 005 Kerala	26.84	36
3669	Integrative transcriptome analyses of different histological & molecular subgroups of Meningiomas to identify prognostic signature & therapeutics targets	ICMR-ADHOC	Suri,V., Dr. (F) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	51.95	36
3670	Islet-antibody negative Type I Diabetes (Type 1B) in north Indians: Clinical implications & pathogenesis	ICMR-ADHOC	Bhatia,E., Dr. (M) Sanjay Gandhi P.G. Institute of Medical Sciences Lucknow - 226 014 Uttar Pradesh	41.49	36
3671	Longitudinal cohort study to evaluate the effect of various contraception methods on the composition & diversity of the vaginal microbiota	ICMR-ADHOC	Tandon,D., Dr. (F) Scientist B ICMR-National Institute for Research in Reproductive Health Jehangir Merwanji Street, Parel Mumbai - 400 012 Maharashtra	31.96	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3672	Meta-analysis of nasality assessment & developing a computational module: Accoustic & perceptual judgement standardization	ICMR-ADHOC	Thammaiah, I., Dr. (F) Mysore University Bengaluru - 570 005 Karnataka	6.63	24
3673	Metagenomic analysis of viromes of aedes mosquitoes in India	ICMR-ADHOC	Anakkathil, S.B., Mr. (M) Scientist E ICMR-National Institute of Virology Pune - 411 001 Maharashtra	48.12	36
3674	Microchip for bacterial separation, DNA extraction & multiplexed detection using LAMP	ICMR-ADHOC	Bodas, D., Dr. (M) Agharkar Research Institute Pune - 411 004 Maharashtra	47.52	36
3675	Mixed Reality in Aphasia Rehabilitation (MIRAR)	ICMR-ADHOC	Krishnan, G., Dr. (M) Manipal College of Health Professions Manipal - 576 104 Karnataka	28.09	36
3676	Modified polysaccharide based hydrogels for cost-effective bone tissue engineering	ICMR-ADHOC	Goswami, L., Dr. (F) Kalinga Institute of Industrial Technology University Bhubaneswar - 751 024 Odisha	40.00	36
3677	Modulation of AMPA receptor: Effect on post-stroke damage after focal cerebral Ischemia reperfusion injury in rats	ICMR-ADHOC	Reeta, K., Dr. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	27.04	36
3678	Molecular analysis of promising immune-regulatory pathway involved in Recurrent Pregnancy Loss (RPL)	ICMR-ADHOC	Jahan, P., Ms. (F) Maulana Azad National Urdu University New Delhi - 110 025 Delhi	31.85	36
3679	Neuromodulation of cortical excitability & plasticity by low frequency repetitive transcranial magnetic stimulation in infantile hemiplegic cerebral palsy patients	ICMR-ADHOC	Jain, S., Dr. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	44.94	36
3680	Non invasive assessment of methotrexate induced hepatotoxicity in Psoriatic patients using biochemical markers & radiological investigations	ICMR-ADHOC	Kumari, R., Dr. (F) Jawaharlal Institute of P.G. Medical Education & Research Dhanvantari Nagar Puducherry - 605 006 Puducherry	42.55	36
3681	Obstructive sleep apnea among commercial vehicle drivers & it coorelate with road traffic accident: A cross sectional study	ICMR-ADHOC	Guleria, R., Prof. (M) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	52.79	36
3682	Outcome in adulthood of children with Enthesitis Related Arthritis (ERA) category of juvenile idiopathic Arthritis & its predictors	ICMR-ADHOC	Aggarwal, A., Prof. (F) Head Sanjay Gandhi P.G. Institute of Medical Sciences Lucknow - 226 014 Uttar Pradesh	41.82	36
3683	Pre-clinical development of patented Biphenyl Thiazolidinediones for effective management of Type 2 Diabetes Mellitus	ICMR-ADHOC	Thareja, S., Dr. (M) Associate Professor Guru Ghasidas University Bilaspur - 495 009 Chhattisgarh	24.99	36
3684	Prenatal exposure to air toxics & adverse birth outcome: An integrated rural-urban mother-child prospective cohort study	ICMR-ADHOC	Puttaswamy, N., Dr. (M) S.R.M. University Kattankulathur - 603 203 Tamil Nadu	47.42	36
3685	Prevalence & etiology of hearing impairment in pre-primary/primary school children & exploration of health beliefs about hearing impairment among staff & children in these settings: A mixed methods study	ICMR-ADHOC	Arumugam, R., Dr. (M) St. John's Medical College & Hospital Bengaluru - 560 034 Karnataka	37.66	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3686	Prevalence of Oral premalignant lesions (Opml) & its associated factors in north east Indian population with special reference to state of Manipur	ICMR-ADHOC	Nandkeoliar,T., Dr. (F) Assistant Professor Regional Institute of Medical Sciences Imphal - 795 004 Manipur	9.15	24
3687	Prevalence of triple negative breast cancer & its correlation with Ki-67 & other prognostic factors among the female population of Tripura - A cross sectional study in a Tertiary Health Care Centre, North East India	ICMR-ADHOC	Bhattacharjee,K., Dr. (M) Agartala Government Medical College Agartala - 799 006 Tripura	14.17	36
3688	Procalcitonin level guided cessation of antibiotic therapy in critically ill children with Sepsis: A randomized controlled trial	ICMR-ADHOC	Sankar,J., Dr. (F) Additional Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	42.59	36
3689	Prospective investigation of transmission of Crimean Congo Haemorrhagic Fever (CCHF) amongst close contacts of confirmed CCHF cases	ICMR-ADHOC	Yadav,P.D., Dr. (F) Scientist F ICMR-National Institute of Virology Pune - 411 001 Maharashtra	24.81	48
3690	Psychosocial dynamics of pregnancy loss: Development of a multidimensional scale & development & efficacy (a randomized control trial) of a group psychological intervention module	ICMR-ADHOC	Satapathy,S., Dr. (F) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	44.60	24
3691	Radiomics with machine learning methods towards prediction of gall bladder cancer	ICMR-ADHOC	Sarmah,R., Dr. (F) Tezpur University Tezpur - 784 028 Assam	18.07	48
3692	Randomized controlled crossover study on mindfulness training to improve resilience in Indian college students	ICMR-ADHOC	Bhattacharya,S.D., Dr. (F) Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	6.49	36
3693	Repurposing of CNS accumulating drugs as autophagy modulators for potential treatment against glioblastoma: An in-silico, in-vitro & in-vivo study	ICMR-ADHOC	Chowdhury,S., Dr. (M) Professor Birla Institute of Technology & Science (Pilani) Pilani - 333 031 Rajasthan	34.36	36
3694	Repurposing of drugs towards anti-Dengue & Chikungunya viruses using the systems biology approach	ICMR-ADHOC	Cherian,S.S., Dr. (F) ICMR-National Institute of Virology Pune - 411 021 Maharashtra	29.62	36
3695	Role of Influenza A virus structural proteins; nucleoprotein & matrix protein in the regulation of host cell glycolysis	ICMR-ADHOC	Rajala,S.M., Dr. (F) Jawaharlal Nehru University New Delhi - 110 067 Delhi	39.21	36
3696	Role of pancreastatin towards amyloid formation in Diabetes	ICMR-ADHOC	Gayen,J.R., Dr. (M) Scientist E CSIR-Central Drug Research Institute Lucknow - 226 031 Uttar Pradesh	25.06	36
3697	Safety & tolerability of bedaquiline & delamanid along with background regimen for treatment of Paediatric DRTB(RR)/MDR/Pre XDR/XDR TB) in children aged 6-18 years	ICMR-ADHOC	Sharma,S., Prof. (F) National Institute of Tuberculosis & Respiratory Diseases New Delhi - 110 030 Delhi	29.07	36
3698	Screening of urinary tract infections in tribal women by using handheld microscope (FOLDSCOPE)	ICMR-ADHOC	Shakila,H., Dr. (M) Professor & Head Madurai Kamaraj University Madurai - 625 021 Tamil Nadu	4.89	36



BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3699	Serial testing of high risk health care workers for latent Tuberculosis infection in a Tertiary Care Hospital	ICMR-ADHOC	Sargiary,P., Dr. (M) Assam Medical College & Hospital Barbari Dibrugarh - 786 002 Assam	20.08	24
3700	Smart lab on a chip biosensor integrated with protein imprinted polymer electrodes for rapid detection of HIV infection	ICMR-ADHOC	Subramanian,V., Dr. (M) Assistant Professor Alagappa University Karaikudi - 630 003 Tamil Nadu	23.50	36
3701	Socio-cultural & environmental drivers of antibiotic resistance in the community: People, physicians & pharmacists perspective - a mixed methods approach	ICMR-ADHOC	Rao,C.K., Dr. (F) Associate Professor Kasturba Medical College & Hospital Manipal - 576 104 Karnataka	47.54	36
3702	Structure, Staffing & Factors affecting (SSF) Infection Control Nurses (ICNs): Hospital based exploratory survey	ICMR-ADHOC	George,A., Dr. (F) Professor & Head Manipal College of Nursing Manipal - 576 104 Karnataka	34.40	36
3703	Studies on the role of different cell surface receptors of Enterovirus A 71	ICMR-ADHOC	Nandi,S.S., Dr. (M) Scientist E ICMR-National Institute of Virology Pune - 411 001 Maharashtra	35.01	36
3704	Study of genital human Papilloma Virus infection in men: Type-specific distribution, risk determinants & natural history	ICMR-ADHOC	Mane,A.K., Dr. (F) Scientist E ICMR-National Aids Research Institute Ansari Nagar New Delhi - 110 029 Delhi	41.89	36
3705	Study of neuronal autoantibody associated/coexisting with acute viral encephalitis in children, its clinical manifestation & outcome	ICMR-ADHOC	Dwivedi,B., Dr. (M) Additional Professor All India Institute of Medical Sciences Bhubaneswar - 751 019 Odisha	40.06	36
3706	Study on the prevalence of oral premalignant & malignant lesions & the associated viral etiological agents among the tribal population of Car Nicobar Island	ICMR-ADHOC	Parvez,R., Dr. (F) ICMR-Regional Medical Research Centre Bhubaneswar - 751 023 Odisha	29.88	24
3707	Surveillance of Enteric fever among rural population: A hospital based Tier-III surveillance in the catchment area of Tigiria block, Cuttack, Odisha	ICMR-ADHOC	Palo,S.K., Dr. (M) ICMR-Regional Medical Research Centre Bhubaneswar - 751 023 Odisha	29.95	24
3708	Targeting mitophagy in breast carcinogenesis through mitochondrial-mediated mechanisms	ICMR-ADHOC	Sharma,L.K., Dr. (M) Assistant Professor Sanjay Gandhi P.G. Institute of Medical Sciences Lucknow - 226 014 Uttar Pradesh	34.77	36
3709	Targeting non-invasive microRNAs as novel signature for castration resistance & aggressive Prostate cancer: A case control study	ICMR-ADHOC	Ahmad,M.K., Dr. (M) King George's Medical University Lucknow - 226 003 Uttar Pradesh	41.31	36
3710	The role of 68Ga-PSMA-PET/CT scan as a staging modality in Prostate cancer	ICMR-ADHOC	Kumar,S., Dr. (M) Associate Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	48.68	36
3711	To evaluate the efficacy of oral probiotics supplementation in children with Autism Spectrum Disorders (ASDs): A randomized double blind, placebo controlled trial	ICMR-ADHOC	Gulati,S., Dr. (F) Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	28.78	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3712	To evaluate the prevalence & incidence of cognitive deficits in relation to glycaemic control & other metabolic risk factors in elderly patients with Type 2 Diabetes Mellitus who are at high risk of dementia, in comparison to age & sex matched control ..	ICMR-ADHOC	Gupta,A., Dr. (F) Assistant Professor G.B. Pant Institute of Medical Research & Education New Delhi - 110 002 Delhi	48.60	36
3713	To explore the role of synovial fluid proteomics in predicting the disease severity & subtype of Juvenile Idiopathic Arthritis (JIA)	ICMR-ADHOC	Bagri,N.K., Dr. (M) Associate Professor All India Institute of Medical Sciences New Delhi - 110 029 Delhi	49.26	36
3714	Transcriptome & methylome approach to study the endometrial receptivity for the management of IVF patients with poly-cystic ovarian syndrome	ICMR-ADHOC	Hinduja,I., Dr. (F) P.D. Hinduja National Hospital & Medical Research Centre Mumbai - 400 016 Maharashtra	32.49	36
3715	Understanding the potential of human pluripotent stem cells to differentiate into extraembryonic placental lineage & deciphering the crucial role of signalling pathways with the aim of developing an effective & acceptable in vitro system for studying ..	ICMR-ADHOC	Sudheer,S., Dr. (F) Central University of Kerala Kasaragod - 671 316 Kerala	20.67	36
3716	Use of biomarkers & imaging for early detection & treatment of chemotherapy induced cardiotoxicity in newly diagnosed children & survivors of acute Leukemia	ICMR-ADHOC	Seth,R., Dr. (F) All India Institute of Medical Sciences New Delhi - 110 029 Delhi	35.58	36
3717	Visualisation & monitoring biotin & folic acid using genetically encoded FRET-based nanosensor in living cells	ICMR-ADHOC	Mohsin,M., Dr. (M) Assistant Professor Jamia Millia Islamia New Delhi - 110 025 Delhi	28.31	36
3718	Centre for Advance Research & Excellence in Young Diabetes	ICMR-CARE	Tandon,N., Dr. (M) Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	250.70	60
3719	A multicentre study to access the health effects of pesticides on general population - Amritsar	ICMR-TF	Mahajan,S., Dr. (M) Government Medical College Medical Enclave Amritsar - 143 001 Punjab	51.10	35
3720	A multi-centric prospective, community based cohort study to estimate the incidence of dengue infection in India (Inden study)	ICMR-TF	Murhekar,M.V., Mr. (M) Director ICMR-National Institute of Epidemiology Chennai - 600 077 Tamil Nadu	601.13	27
3721	A phase III, randomized, double-blind, placebo controlled trial to evaluate the efficacy & safety of Vpm 1002 & immuvac vaccines in preventing Tuberculosis (TB) in healthy household contacts of newly diagnosed sputum positive pulmonary TB patients	ICMR-TF	Wadhwa,N., Ms. (F) Associate Professor Translational Health Science & Technology Institute Faridabad - 122 016 Haryana	89.16	48
3722	An open label, balanced, randomized clinical trial to evaluate safety & efficacy of piperine 225 mg with standard anti tubercular treatment in newly diagnosed sputum positive drug sensitive pulmonary TB adult patients in comparison with standard ..	ICMR-TF	Sarin,R., Mr. (M) Director National Institute of Tuberculosis & Respiratory Diseases New Delhi - 110 016 Delhi	25.72	35
3723	Assessment of nutritional status of below 12 years children of Muzaffarpur district, Bihar: A rapid nutrition assessment	ICMR-TF	Arlappa,N., Mr. (M) Scientist F ICMR-National Institute of Nutrition Hyderabad - 500 007 Telangana	79.84	17

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3724	Ayurvedic treatment in the rehabilitation of Ischemic stroke patient in India: A randomized controlled trial study (RESTORE Trial) - JD	ICMR-TF	Pandian,J.D., Dr. (M) Professor Christian Medical College 25, Arcot Road, IDA Scudder Road, Thottapalayam Vellore - 632 004 Tamil Nadu	79.62	24
3725	Behavioural change in anopheline vectors in areas of insecticidal nets (itns/Llins) use in Assam, Madhya Pradesh & Odisha: A possible challenge to malaria elimination programme	ICMR-TF	Singh,K., Mr. (M) Scientist ICMR-National Institute of Malaria Research Guwahati - 781 022 Assam	82.81	24
3726	Clinico-epidemiological study of factors associated with Aes in Bihar: A case - control study	ICMR-TF	Singh,C.M., Mr. (M) Scientist ICMR-National Institute of Medical Statistics New Delhi - 110 029 Delhi	100.95	24
3727	Comparative evaluation of genetic & biochemical profile in postmenopausal osteoporotic & age matched healthy women	ICMR-TF	Malhotra,R., Dr. (M) Professor All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	101.98	36
3728	Design of novel bactericidal molecules targeting a conserved bacterial transcription regulator	ICMR-TF	Sen,R., Mr. (M) Staff Scientist V Centre for DNA Fingerprinting & Diagnostics Hyderabad - 500 039 Telangana	10.36	36
3729	Discussion & recommendation salvage regimen including Bedaquiline (BIm) for patient with Drug resistant Tuberculosis (Dr-Tb) & limited treatment options	ICMR-TF	Sarin,R., Mr. (M) Director National Institute of Tuberculosis & Respiratory Diseases New Delhi - 110 016 Delhi	7.58	36
3730	Early bactericidal activity (Eba) & Pk/Pd study of rifampicin, feropenem, cefdinir with clavulanate vs standard of care in newly diagnosed smear positive Rifampicine susceptible TB	ICMR-TF	Singh,U.B., Prof. (F) All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	18.66	24
3731	Efficacy of Energy dense nutritional supplement (Edns). As adjunct to standard dots therapy in improving treatment outcomes in malnourished newly diagnosed sputum positive pulmonary tuberculosis adult patients	ICMR-TF	Guleria,R., Mr. (M) Director All India Institute of Medical Sciences Ansari Nagar New Delhi - 110 029 Delhi	42.98	34
3732	Establishing a biorepository facility at Madras Diabetic Research Foundation	ICMR-TF	Mohan,V., Dr. (M) Madras Diabetes Research Foundation 4, Conaram Smith Road, Gopalapuram Chennai - 600 086 Tamil Nadu	260.85	44
3733	Estimating incremental cost of treating antimicrobial resistant infections in India	ICMR-TF	Mamulwar,M., Ms. (F) Scientist C ICMR-National Aids Research Institute Pune - 411 026 Maharashtra	61.56	28
3734	Evaluation of a health system based intervention on change in thrombolysis rate in ST segment Evaluated Myocardial Infarction (STEMI) Acute Coronary Syndrome (ACS) across selected districts of the country - A health implementation research project ..	ICMR-TF	Negi,P.C., Dr. (M) Indira Gandhi Medical College & Hospital Ridge Sanjauli Road, Lakkar Bazar Shimla - 171 001 Himachal Pradesh	125.52	36
3735	Evaluation of a health system based intervention on change in thrombolysis rate in ST segment Evaluated Myocardial Infarction (STEMI) Acute Coronary Syndrome (ACS) across selected districts of the country - A health implementation research project ..	ICMR-TF	Malviya,A., Dr. (M) North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences Mawdiangdiang Shillong - 793 018 Meghalaya	38.58	36

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3736	Evaluation of a health system based intervention on change in thrombolysis rate in ST segment Evaluated Myocardial Infraction (STEMI) Acute Coronary Syndrome (ACS) across selected districts of the country - A health implementation research project ..	ICMR-TF	Mohan,B., Dr. (M) Professor Dayanand Medical College & Hospital Tagore Nagar, Civil Lines Ludhiana - 141 001 Punjab	65.40	36
3737	Human rabies & animal bite incidence survey India	ICMR-TF	Vivian,T.J.W., Mr. (M) Scientist C ICMR-National Institute of Epidemiology Chennai - 600 077 Tamil Nadu	328.20	30
3738	ICMR-LIPS collaboration for Dried blood samples (Dbs) collection & testing	ICMR-TF	Shete,A., Mr. (M) Scientist E ICMR-National Aids Research Institute Pune - 411 026 Maharashtra	102.35	16
3739	Intervention research to institute community based Aes intervention program to prevent Aes cases to reduce mortality in Muzaffarpur, Bihar	ICMR-TF	Ray,P., Mr. (M) Sr. Medical Officer Durbar Mahila Samanwaya Committee Sonagachi Research & Training Institute Kolkata - 700 006 West Bengal	63.92	24
3740	Malaria elimination research alliance (Mera India)	ICMR-TF	Anvikar,A.K., Mr. (M) Director ICMR-National Institute of Malaria Research New Delhi - 110 030 Delhi	49.07	60
3741	National repository of antimicrobial resistant bacterial isolates (Nramb) at ICMR-NICED: A pilot study	ICMR-TF	Dutta,S., Ms. (F) Director ICMR-National Institute of Cholera & Enteric Diseases Beligahata Kolkata - 700 010 West Bengal	88.14	18
3742	Nationwide study to estimate incidence, mortality, morbidity & economic burden due to snake bite in India-Andhra Pradesh	ICMR-TF	Bhaskar,M., Dr. (M) Professor S.V. Institute of Medical Sciences Alipiri Road, TTD Administrative Building Tirupati - 517 507 Andhra Pradesh	24.81	24
3743	Nationwide study to estimate incidence, mortality, morbidity & economic burden due to snake bite in India-Dibrugarh	ICMR-TF	Sharma,S.K., Dr. (M) Scientist G ICMR-Regional Medical Research Centre N.E. Region, P.O. Lahowal Dibrugarh - 786 010 Assam	118.96	24
3744	Nationwide study to estimate incidence, mortality, morbidity & economic burden due to snake bite in India-DMRC, Jodhpur	ICMR-TF	Director, The ICMR-National Institute for Implementation Research in Non-Communicable Diseases New Pali Road Jodhpur - 342 005 Rajasthan	26.76	24
3745	Nationwide study to estimate incidence, mortality, morbidity & economic burden due to snake bite in India-Haldwani	ICMR-TF	Singh,P., Dr. (M) Associate Professor Government Medical College Haldwani, Haldu Pokhara Nayak, Rampur Dehradun - 263 139 Uttarakhand	13.85	24
3746	Nationwide study to estimate incidence, mortality, morbidity & economic burden due to snake bite in India-Kerala	ICMR-TF	Menon,J., Dr. (M) Professor/Head Amrita Vishwa Vidyapeetham Amrita Institute of Medical Science & Research Centre, P.O Ponekkara Kochi - 682 041 Kerala	40.55	24
3747	Nationwide study to estimate incidence, mortality, morbidity & economic burden due to snake bite in India-NIMS	ICMR-TF	Menon,G., Dr. (F) Scientist E ICMR-National Institute of Medical Statistics Anari Nagar New Delhi - 110 029 Delhi	7.51	24

BROAD SUBJECT AREA : MEDICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3748	Neodevelopmental outcomes in infants undergoing surgery for congenital heart defects - A prespective multicentre cohort study - Bangalore	ICMR-TF	Usha,M.K., Dr. (F) Sri Jayadeva Institute of Cardiovascular Sciences & Research Jayanagar 9th Block, Phase 3, Tilak Nagar Bengaluru - 560 069 Karnataka	9.79	40
3749	Neodevelopmental outcomes in infants undergoing surgery for congenital heart defects - A prespective multicentre cohort study - West Bengal	ICMR-TF	Chattopadhyay,A., Dr. (M) Consultant Narayana Superspeciality Hospitals 120/1, Andul Road Howrah - 711 103 West Bengal	9.80	48
3750	Novel effiis pump inhibitors for restoring E. Coli sensitivity for antibiotics (Nepiresa)	ICMR-TF	Parthasarathi,R., Mr. (M) Principal Scientist CSIR-Indian Institute of Toxicology Research Lucknow - 226 018 Uttar Pradesh	11.67	36
3751	One health strategy for elimination of human anthrax from an endemic district of Odisha: A demonstration project	ICMR-TF	Pati,S., Ms. (F) Director ICMR-Regional Medical Research Centre Bhubaneswar - 751 013 Odisha	24.06	36
3752	Outcome of the services at the community extension clinics for patients with Common Mental Disorders (CMDs)	ICMR-TF	Mehta,V.S., Dr. (M) Assistant Professor Central Institute of Psychiatry Kanke Ranchi - 834 006 Jharkhand	8.62	36
3753	Pharmacokinetics of second-line anti-TB drugs in children & adolescents with MDR TB	ICMR-TF	Hemanth,A.K., Mr. (M) Scientist C ICMR-National Institute for Research in Tuberculosis Chennai - 600 031 Tamil Nadu	28.45	36
3754	Prevalence, risk factors & laboratory diagnosis of Non tuberculosis mycobacterial (Ntm) disease: A multicentre study	ICMR-TF	Hasnain,S.E., Prof. (M) Jamia Millia Islamia New Delhi - 110 025 Delhi	73.96	36
3755	Target identification & hit to lead optimization of Sri 12742 targeting Mdr a Baumannii	ICMR-TF	Chopra,S., Mr. (M) Senior Scientist CSIR-Central Drug Research Institute Lucknow - 226 002 Uttar Pradesh	56.75	36
3756	Task force on rapid methods for antimicrobial susceptibility testing at point-of care	ICMR-TF	Walia,K., Ms. (F) Scientist F Indian Council of Medical Research Ansari Nagar New Delhi - 110 029 Delhi	14.44	48
3757	The Rations (Reducing activation of tuberculosis by improvement of nutritional status) study: A cluster randomized trial of nutritional support (Food rations) to reduce TB incidence in household contacts of patients with smear positive pulmonary tube	ICMR-TF	Bhargava,A., Prof. (M) Yenepoya University Yenepoya Medical College, Deralakatte Mangalore - 575 022 Karnataka	429.19	36
3758	Validation of dry Swab RNA extraction free method of diagnostic test compared with the standard Rt=Pcr methods for Sars-Co-V2: A multicentric study	ICMR-TF	Pangtey,G., Mr. (M) Associate Professor Lady Hardinge Medical College & Associated Hospitals New Delhi - 110 001 Delhi	4.00	14
3759	An affordable colorimetric diagnostic instrument: ColOSENS	MEITY-R&D	Bhattacharyya,N., Dr. (M) Sr. Director & Central Head Centre for Development of Advanced Computing (C-DAC) Plot E-2/1, Block GP, Sector V, Salt Lake City Kolkata - 700 091 West Bengal	299.86	24
3760	Artificial intelligence in oncology harnessing big data to provide personalized diagnosis & treatment for cancer patient	MEITY-R&D	Sharma,A., Dr. (M) Assistant Professor & Fellow All India Institute of Medical Sciences Department of Biochemistry Diagnostic, Lab No. 3029, Ansari Nagar New Delhi - 110 029 Delhi	291.67	36
Total Cost of 561 Projects Under: <b>Medical Sciences</b>				31,919.42	

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3761	Acoustic measurement of ocean biodiversity	CSIR-ES	Chakraborty,B., Dr. (M) CSIR-National Institute of Oceanography Department of Oceanography Goa - 403 004 Goa	9.00	36
3762	Advanced cathode materials for lithium ion batteries towards commercialization	CSIR-ES	Surkumaran,G., Dr. (M) CSIR-Central Electrochemical Research Institute Department of Lithium Batteries Karaikudi - 630 003 Tamil Nadu	10.20	36
3763	Development of narrow band red phosphors with high color purity for warm white led devices	CSIR-ES	Padala,P.R., Dr. (M) CSIR-National Institute for Interdisciplinary Science & Technology Division of Materials Science & Technology Thiruvananthapuram - 695 019 Kerala	10.20	36
3764	Development of pure & hybrid alkali halide nanocrystals	CSIR-ES	Mahadevan,C.K., Dr. (M) Bharathidasan University Department of Physics Tiruchirappalli - 620 024 Tamil Nadu	10.20	36
3765	Field emission microscopy studies of 2D materials for the development of nanoscale devices	CSIR-ES	Sharma,R.B., Dr. (M) Savitribai Phule Pune University Department of Physics Pune - 411 007 Maharashtra	10.20	36
3766	Study of nucleation of superheated droplets acoustically & optically in search for silent events	CSIR-ES	Chatterjee,B.K., Dr. (M) Bose Institute Department of Physics Kolkata - 700 009 West Bengal	10.20	36
3767	21 cm cosmology with the Square Kilometer Array (SKA)	CSIR-GS	Datta,A., Dr. (M) Indian Institute of Technology (Indore) Centre of Astronomy Indore - 453 552 Madhya Pradesh	4.50	36
3768	Aspects of top-down non-conformal holographic dual of large-N thermal QCD at finite coupling	CSIR-GS	Misra,A., Dr. (M) Indian Institute of Technology (Roorkee) Department of Physics Roorkee - 247 667 Uttarakhand	4.25	36
3769	Complex oxides for efficient solar water steaming: A greener way of water distillation	CSIR-GS	Bera,A., Dr. (M) Indian Institute of Technology (Jammu) Jammu - 181 221 Jammu & Kashmir	16.00	36
3770	Computer simulation study of effects of entropic & enthalpic forces on the phase behavior of soft polygons in two-dimensions	CSIR-GS	Das,D., Dr. (M) Thapar Institute of Engineering & Technology School of Physics & Mathematical Sciences Patiala - 147 004 Punjab	1.50	36
3771	Cosmic acceleration with observational constraints of the universe in modified gravity	CSIR-GS	Sahoo,P.K., Dr. (M) Birla Institute of Technology & Science (Pilani) Department of Metal & Material Engineering Hyderabad - 500 078 Telangana	5.00	36
3772	Development of all earth abundant elements based nano-heterostructures for solar driven water splitting	CSIR-GS	Kushwaha,A.K., Dr. (M) Indian Institute of Technology (Indore) Department of Metal & Mathematics Engineering Indore - 453 552 Madhya Pradesh	13.50	36
3773	Development of biocompatible multimodality magnetic nanomaterials for nanomedicine	CSIR-GS	Dash,S., Dr. (M) National Institute of Technology (Rourkela) Department of Physics & Astronomy Rourkela - 769 008 Odisha	11.50	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3774	Development of hybrid Imidazole-Metal halide (IMZ-MX) & Gunaidine-Metal halide (Gund-MX) derivative perovskite materials for solar cell & tunable solid state light emitting applications	CSIR-GS	Kumar,M.K., Dr. (M) Kalasalingam Academy of Research & Education Department of Physics Krishnankoil - 626 126 Tamil Nadu	5.50	36
3775	Development of lead-free high temperature dielectric ceramics for capacitor applications	CSIR-GS	Sharma,S., Dr. (F) Anugrah Narayan College Department of Physics & Electrical Patna - 800 013 Bihar	14.88	36
3776	Development of some 2D transition metal dichalcogenide semiconductor nanostructures & nanocomposites for photocatalytic dye degradation, light energy harvesting & hydrogen production	CSIR-GS	Kumbhakar,P., Prof. (M) National Institute of Technology (Durgapur) Department of Physics Durgapur - 713 209 West Bengal	10.00	36
3777	Energy storage application of transition Metal-Sulphide (MOS2) based hybrid electrode material	CSIR-GS	Singh,K., Dr. (M) Lovely Professional University Department of Physics Jalandhar - 144 411 Punjab	5.00	36
3778	Exploring the ultra-cold atom dynamics through PT symmetry	CSIR-GS	Radha,R., Dr. (F) Government College for Women PG & RES Department of Physics Kumbakonam - 612 001 Tamil Nadu	6.50	36
3779	Imaging diffuse emission & possible SZ signatures in galaxy cluster mergers at high frequencies	CSIR-GS	Malu,S.S., Dr. (M) Indian Institute of Technology (Indore) Centre of Astronomy Indore - 453 552 Madhya Pradesh	11.50	36
3780	Investigation of effect of carbon quantum dots on carrier generation in organic semiconductor thin films for photovoltaic applications	CSIR-GS	Bhattacharyya,J., Dr. (F) Indian Institute of Technology (Madras) Department of Physics Chennai - 600 036 Tamil Nadu	9.00	36
3781	Irradiation effects on the optical properties of borate derivatives based single crystals by vertical Bridgman technique for data storage & other optical applications	CSIR-GS	Rameshkumar,P., Dr. (M) Periyar E.V.R. Government Arts College PG & RES Department of Physics Tiruchirappalli - 620 023 Tamil Nadu	7.75	36
3782	Nanostructured Si rich silicon nitride thin films for third generation solar cell	CSIR-GS	Srivastava,P., Dr. (M) Indian Institute of Technology (Delhi) Department of Physics, Hauz Khas New Delhi - 110 016 Delhi	17.00	36
3783	Nonlinear plasma wave dynamics in unbounded planar or bounded nonplanar geometry	CSIR-GS	Dutta,D., Dr. (M) National Institute of Technology (Arunachal Pradesh) Department of Basic & Applied Science Yupia - 791 112 Arunachal Pradesh	3.82	36
3784	One-dimensional Parity-Time (PT) symmetric optical structures with layered media	CSIR-GS	Alee,K.S., Dr. (M) Indian Institute of Science Education & Research (Thiruvananthapuram) Department of Physics Thiruvananthapuram - 695 551 Kerala	20.00	36
3785	Optimization of maximum attainable energy storage density & efficiency of the cationic-site disordered lead free perovskites based piezoceramics & their solid solutions for the green energy harvesting	CSIR-GS	Asthana,S., Dr. (M) Indian Institute of Technology (Hyderabad) Department of Physics Sangareddy - 502 285 Telangana	13.20	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3786	Statistical & dynamical description of particle accompanied fission of medium to heavy mass nuclei	CSIR-GS	Balasubramaniam,M., Dr. (M) Bharathiar University Department of Physics Coimbatore - 641 046 Tamil Nadu	3.90	36
3787	Studies on electronic & optical properties in group III-V- N quaternary semiconductor quantum dots using density functional theory & K dot P method	CSIR-GS	Samajdar,D.P., Dr. (M) Pt. Dwarka Prasad Mishra Indian Institute of Information Technology Design & Manufacturing Department of Electronics & Communications Engineering Jabalpur - 482 005 Madhya Pradesh	4.50	36
3788	Study of light heavy-ion fusion reaction mechanism in producing platinum group metal radionuclides - a prospect towards application	CSIR-GS	Maiti,M., Dr. (F) Indian Institute of Technology (Roorkee) Department of Physics Roorkee - 247 667 Uttarakhand	12.00	36
3789	Study of quantum hall effect, high energy physics phenomena & mechanical properties of graphene	CSIR-GS	Sahoo,S., Dr. (M) National Institute of Technology (Durgapur) Department of Physics Durgapur - 713 209 West Bengal	4.80	36
3790	Synthesis & characterization of novel third generation ovonic materials (glassy semiconductors) for phase change optical memory applications	CSIR-GS	Mehta,N., Dr. (M) Banaras Hindu University Department of Physics Varanasi - 221 005 Uttar Pradesh	6.65	36
3791	Synthesis of organic nanofibers for Terahertz wave (T-ray) guiding applications	CSIR-GS	Nagalakshmi,R., Dr. (F) National Institute of Technology (Tiruchirappalli) Department of Physics Tiruchirappalli - 620 015 Tamil Nadu	13.00	36
3792	Tailoring of intermediate bands in I-III-VI2 nanostructured thin films via doping for photovoltaic applications	CSIR-GS	Sethuraman,K., Dr. (M) Madurai Kamaraj University Department of Physics Madurai - 625 021 Tamil Nadu	5.20	36
3793	Thermoelectric power studies on materials showing simultaneous magnetic and crystal structural transitions	CSIR-GS	Nirmala,R., Dr. (F) Indian Institute of Technology (Madras) Department of Physics Chennai - 600 036 Tamil Nadu	4.00	36
3794	Semiconducting glasses to harvest waste heat energy	CSIR-SS	Ramesh,K., Dr. (M) Indian Institute of Science Department of Physics Bengaluru - 560 012 Karnataka	18.00	36
3795	Development of indigenous process technology for the production of chalcogenide based infrared glasses for thermal imagers	DRDO-ER & IPR	Annapurna,K., Dr. (M) Senior Principal Scientist CSIR-Central Glass & Ceramic Research Institute Department of Glass Division Kolkata - 700 032 West Bengal	174.71	36
3796	Development of quantum computing architecture with silicon based spin qubits	DRDO-ER & IPR	Mahapatra,S., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Department of Physics, Powai Mumbai - 400 076 Maharashtra	968.40	60
3797	Modelling of the propagation attenuation characteristics of millimeter waves in fog, rain & dust/ sand storms	DRDO-ER & IPR	Mittal,A., Prof. (M) Netaji Subhas University of Technology Department of Electronics & Communication Engineering, AIAC&R Delhi - 110 031 Delhi	25.20	26



BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3798	Combined catalytic reforming & upgrading technique for production of biofuels in circulating fluidized bed reactor	DST-IMPRINT-2	Kishore,N., Prof. (M) Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	36.30	36
3799	Developing smart controller for optimum utilization of energy & trustworthy management in a microgrid environment	DST-IMPRINT-2	Modi,C.N., Dr. (M) Assistant Professor National Institute of Technology (Goa) Farmagudi Ponda - 403 401 Goa	93.93	36
3800	Development of high strength ceramic magnet for rotating machine applications	DST-IMPRINT-2	Roy,P.K., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	25.92	36
3801	Development of non-edible green vegetable oil as a potential liquid dielectric for power/distribution transformer from the renewable source	DST-IMPRINT-2	Nayak,S.K., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North Amingaon Guwahati - 781 039 Assam	68.70	36
3802	Flexible quantum light emitting devices from Van Der Waals layered materials	DST-IMPRINT-2	Misra,A., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	87.76	36
3803	Nanostructure materials for hyperspectral sensing	DST-IRHPA	Patil,S., Prof. (M) Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	244.97	60
3804	A new archetype for development of flexible nano hybrid supercapacitor for large scale electric energy storage with high performance	DST-SERB-CRG	Chidurala,S.C., Dr. (F) Assistant Professor Jawaharlal Nehru Technological University Institute of Science & Technology Hyderabad - 500 072 Telangana	41.85	36
3805	A novel approach to generate single microwave photons using Landau Zener effect in a superconducting artificial atom	DST-SERB-CRG	Suri,B., Dr. (M) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	51.67	36
3806	A novel scheme to cool the translational as well as internal degrees of freedom of any molecular ion beam	DST-SERB-CRG	Gangwar,R.K., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Post, Settipalli Tirupati - 517 506 Andhra Pradesh	24.45	36
3807	A strategic introduction of Reduced graphene oxide (Rgo) in nickel cobalt phosphate electrodes to enhance the energy density of asymmetric supercapacitor device	DST-SERB-CRG	Patil,U.M., Dr. (M) D.Y. Patil Education Society Centre for Interdisciplinary Research, D.Y.Patil Vidyanagar, Kasba Bawda Kolhapur - 416 004 Maharashtra	21.63	36
3808	A study on laser-driven ion acceleration from plasma target & generation of large scale magnetic field in relativistic laser plasma interaction	DST-SERB-CRG	Das,N., Prof. (F) Tezpur University Napaam Tezpur - 784 028 Assam	25.56	36
3809	Abrupt transitions & its indicators in living systems	DST-SERB-CRG	Dutta,P.S., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	7.15	36
3810	All-metal plasmonic perfect absorber metamaterial structures to capture visible-NIR radiation: Computational study & experimental feasibility	DST-SERB-CRG	Mandal,P., Dr. (M) Associate Professor University of Petroleum & Energy Studies Energy Acres, P.O Bidholi (Via Prem Nagar) Dehradun - 248 007 Uttarakhand	18.81	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3811	All-optical cryptography using localization & dynamics of photon in semiconductor microresonators	DST-SERB-CRG	Jana,S., Dr. (M) Associate Professor Thapar Institute of Engineering & Technology Adarsh Nagar, Prem Nagar Patiala - 147 004 Punjab	22.08	36
3812	An experimental investigation of resonances & stable excited states of interstellar medium anions through photoexcitation	DST-SERB-CRG	Aravind,G., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	69.29	36
3813	An information theory based study of the large-scale environmental dependence of galaxy properties in the Sloan Digital Sky survey	DST-SERB-CRG	Pandey,B., Dr. (M) Assistant Professor Stage II Visva Bharati University Santiniketan - 731 235 West Bengal	19.71	36
3814	An investigation of plasma sheath through PIC simulation	DST-SERB-CRG	Bora,M.P., Dr. (F) Professor Gauhati University Jalukbari Guwahati - 781 014 Assam	19.27	36
3815	Aspects of relativistic heavy-ion collisions & quark-gluon plasma	DST-SERB-CRG	Bhalerao,R.S., Prof. (M) Fellow Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	22.00	36
3816	Bioinspired smart self-cleaning membranes for on-demand water purification based on switchable wettability	DST-SERB-CRG	Purkayastha,D.D., Dr. (M) Assistant Professor National Institute of Technology (Nagaland) Chumukedima Dimapur - 797 103 Nagaland	27.84	36
3817	Bolometer based millimeter wave sensing for the development of microwave camera	DST-SERB-CRG	Subramanian,V., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	40.52	36
3818	Broadband spectral-timing studies of X-ray binaries using AstroSat & Nicer	DST-SERB-CRG	Mandal,S., Dr. (F) Assistant Professor Government Girls General Degree College 7, Mayurbhange Road Kolkata - 700 023 West Bengal	6.38	36
3819	Connecting solar interior dynamics to variable solar activity & space weather	DST-SERB-CRG	Rajaguru,P.K., Prof. (M) Associate Professor Indian Institute of Astrophysics II Block, Kormangala Bengaluru - 560 034 Karnataka	21.20	36
3820	Decoding the evolutionary phase of emission-line stars in the galaxy & the Magellanic Clouds	DST-SERB-CRG	Mathew,B., Dr. (M) Assistant Professor Christ University Hosur Main Road Bengaluru - 560 029 Karnataka	21.49	36
3821	Design & development of metal-oxide hetero-structures for enhancement of photovoltaic energy conversion efficiency	DST-SERB-CRG	Mohapatra,N., Dr. (F) Assistant Professor Indian Institute of Technology (Bhubaneswar) Arugul, Jatni Bhubaneswar - 751 013 Odisha	22.22	36
3822	Design optimization & fabrication of integrated optical coherence tomography on a chip	DST-SERB-CRG	Andrews,J.T., Prof. (M) Head Shri Govindram Seksarai Institute of Technology & Science 23, M, Visvesvaraya Marg, Park Road Indore - 452 003 Madhya Pradesh	33.03	36
3823	Design, fabrication & characterization of geometric phase holograms for optical beam shaping	DST-SERB-CRG	Brundavanam,M.M., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	18.75	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3824	Design, synthesis & physical properties of topological materials	DST-SERB-CRG	Hossain,Z., Prof. (M) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	25.62	36
3825	Designing & investigation of alkali metal decorated graphene & Boron Nitride (BN) nanostructure for hydrogen storage: A first-principles study	DST-SERB-CRG	Rai,D.P., Dr. (M) Assistant Professor Pachhunga University College College Veng Aizawal - 796 001 Mizoram	34.91	36
3826	Designing polyanion solution based electrolytes with high Lithium Ion transference number & conductivity for the application in high energy density Lithium-ion batteries	DST-SERB-CRG	Bhattacharya,S., Dr. (M) Assistant Professor Kalyani University Block C Kalyani - 741 235 West Bengal	66.40	36
3827	Detection of third bodies in eclipsing binaries using ground & space based observatories	DST-SERB-CRG	Sriram,K., Dr. (M) Assistant Professor Osmania University Hyderabad - 500 007 Telangana	24.03	36
3828	Development & characterization of new solid forms of active pharmaceutical ingredients using vibrational spectroscopy & quantum chemical techniques	DST-SERB-CRG	Tandon,P., Prof. (F) HOD Lucknow University Babuganj, Hasanganj Lucknow - 226 007 Uttar Pradesh	18.96	36
3829	Development & characterization of polarization based pupil function for the generation of laser beam having far field subwavelength focal spot	DST-SERB-CRG	Singh,B.K., Dr. (M) Assistant Professor Central University of Rajasthan NH 8, Bandar Sindri Ajmer - 305 801 Rajasthan	33.19	36
3830	Development of a correlative Optical Beam Induced Current (OBIC) & Electroluminescence (EL) microscopy system for precision failure analysis of semiconductor devices	DST-SERB-CRG	Gogoi,A., Dr. (M) Assistant Professor Jagannath Barooah College Baruah Chariali, Kakoti Gaon Jorhat - 785 001 Assam	35.36	36
3831	Development of a real-time high resolution compressive digital holographic microscopic imaging technique for dynamic events	DST-SERB-CRG	Nelleri,A., Dr. (M) Associate Professor Vellore Institute of Technology University Vandalur-Kelambakkam Road Chennai - 600 127 Tamil Nadu	44.86	36
3832	Development of a vortex beam based plasmonic Raman tweezers setup for single, live cell membrane studies	DST-SERB-CRG	Bankapur,A., Dr. (M) Associate Professor Manipal University Manipal - 576 104 Karnataka	24.21	36
3833	Development of band-engineered buffer layer at the interfaces of photovoltaic devices & study of its effect on charge recombination	DST-SERB-CRG	Santra,P.K., Dr. (M) Scientist D Centre for Nano & Soft Matter Sciences P.B.No.1329, Jalahalli Bengaluru - 560 013 Karnataka	46.66	36
3834	Development of biologically active ferroelectric [Ca] <sub>10</sub> [PO] <sub>4</sub> [OH] <sub>2</sub> -K <sub>0.5</sub> Na <sub>0.5</sub> [NbO] <sub>3</sub> composite thin films for biomedical applications	DST-SERB-CRG	Dobbidi,P., Dr. (M) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	57.14	36
3835	Development of electrochemical wearable biosensor in human sweat metabolomics for the detection of biomarker	DST-SERB-CRG	Chinnuswamy,V., Dr. (M) Associate Professor Bharathiar University Maruthamalai Road Coimbatore - 641 046 Tamil Nadu	34.52	36
3836	Development of geometry & interface engineered lead free biocompatible magneto electric nanorod arrays for next generation self powered sensors, energy harvesters & futuristic implantable devices	DST-SERB-CRG	Nair,S.S., Dr. (F) Associate Professor & Head Central University of Kerala Tejaswini Hills, P.O. Periyar Kasaragod - 671 123 Kerala	65.29	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3837	Development of high enthalpy DC plasma torch through efficient utilization of greenhouse gases for synthesis of micro-spherical metal carbide (WC, TiC, ZrC) powders	DST-SERB-CRG	Subramniam,Y., Dr. (M) Assistant Professor Pondicherry University Chinna, Kalapet Puducherry - 605 014 Puducherry	58.23	36
3838	Development of high performance, CMOS compatible & colour selective narrow-band photodetector for high-resolution imaging application	DST-SERB-CRG	Pal,B.N., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu Univrsity Varanasi - 221 005 Uttar Pradesh	67.14	36
3839	Development of lanthanide activated luminescent nanocrystals as fluorescent probe for sensing heavy metal ions	DST-SERB-CRG	Singh,N.S., Dr. (M) Assistant Professor Nagaland University Meriema Zunheboto - 798 627 Nagaland	49.18	36
3840	Development of optically transparent & electrically conductive nano films for photovoltaic applications	DST-SERB-CRG	Pabla,R.K., Dr. (F) Assistant Professor Punjabi University NH 64, Urban Estate Phase II Patiala - 147 002 Punjab	5.56	36
3841	Development of organic-inorganic nanocomposite proton exchange membrane for high temperature Proton Exchange Membrane Fuel Cells (PEMFC)	DST-SERB-CRG	Acharya,S.A., Dr. (F) Professor Rashtrasant Tukadoji Maharaj Nagpur University Civil Lines Nagpur - 440 001 Maharashtra	50.42	36
3842	Development of tunable & bright Terahertz source: Applications in communications & imaging	DST-SERB-CRG	Malik,A.K., Dr. (M) Associate Professor Ch. Charan Singh University Ramgarhi Meerut - 250 005 Uttar Pradesh	21.27	36
3843	Development of visible light responsive micro-reactor systems for water purification	DST-SERB-CRG	Jayaraj,M.K., Prof. (M) Cochin University of Science & Technology Thrikkakara, South Kalamassery Kochi - 682 022 Kerala	30.47	36
3844	Development of Whispering Gallery Mode (WGM) resonator into optical fiber axicon tip for WGM excitation & sensing application	DST-SERB-CRG	Mondal,S.K., Dr. (M) Principal Scientist CSIR-Central Scientific Instruments Organization Sector 30-C Chandigarh - 160 030 Chandigarh	25.15	36
3845	Dynamical & mechanical properties of active glassy systems - Heterogeneity, plasticity & yielding at bulk & nano scale	DST-SERB-CRG	Karmakar,S., Prof. (M) Associate Professor Tata Institute of Fundamental Research Centre For Interdisciplinary Sciences, 21 Brundavan Colony, Narsingi Hyderabad - 500 075 Telangana	24.95	36
3846	Dynamical electron & positron impact ionization study on molecules of environmental & biological significance, viz. N <sub>2</sub> , CO <sub>2</sub> , H <sub>2</sub> O & pyrimidine	DST-SERB-CRG	Purohit,G., Dr. (M) Associate Professor Mohanlal Sukhadia University Ganeshpura Udaipur - 313 001 Rajasthan	22.74	36
3847	Dynamics & control of two & three-dimensional excitation waves	DST-SERB-CRG	Dutta,S., Dr. (F) Associate Professor Indian Institute of Technology (Guwahati) Surjyamukhi Road, North, Amingaon Guwahati - 781 039 Assam	77.19	36
3848	Effect of beyond mean-field correction in atomic BEC	DST-SERB-CRG	Khan,A., Dr. (M) Assistant Professor Bennett University Plot No 8-11, Techzone, Street 2 Greater Noida - 201 310 Uttar Pradesh	6.05	36
3849	Effect of laser induced crystallization on ferroelectric thin films & their application in microwave devices on flexible substrates	DST-SERB-CRG	Raju,K.C.J., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	28.20	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
3850	Effect of nanoparticles on the liquid crystal analogue of the Abrikosov phase at atmospheric & elevated pressures	DST-SERB-CRG	Rao,D.S.S., Dr. (M) Scientist Centre for Nano & Soft Matter Sciences P.B. No. 1329, Jalahalli Bengaluru - 560 013 Karnataka	17.82	36
3851	Effects of quantum confinement, correlation, & disorder on the light emitting states of semiconductors & other nanostructures studied through low temperature photoluminescence spectroscopy in magnetic fields up to 35 Tesla	DST-SERB-CRG	Bansal,B., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nandia Mohanpur - 741 246 West Bengal	49.89	36
3852	Electric Field induced Magnetization reversal in FM/FE thin film hetero structures	DST-SERB-CRG	Sundarakannan,B., Dr. (M) Professor Manonmaniam Sundaranar University Abishekapatti Tiruchendur - 627 012 Tamil Nadu	26.51	36
3853	Electromagnetic nonlinear waves in multicomponent space plasmas	DST-SERB-CRG	Saini,N.S., Prof. (M) Head Guru Nanak Dev University Grand Truck Road, Off NH-1 Amritsar - 143 005 Punjab	18.26	36
3854	Electron attachment reactions in isolated biomolecules & clusters	DST-SERB-CRG	Nandi,D., Prof. (M) Associate Professor Indian Institute of Science Education & Research (Kolkata) Nadia Mohanpur - 741 246 West Bengal	59.62	36
3855	Electrospun poly(Caprolactone)/gelatin/alginate nanofibers as an injectable hydrogel for cartilage tissue engineering applications	DST-SERB-CRG	Sangeetha,K., Dr. (F) Assistant Professor Muthayammal College of Arts & Science Rasipuram Namakkal - 637 408 Tamil Nadu	40.47	36
3856	Entanglement in driven topological long-range systems	DST-SERB-CRG	Sharma,A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhauri Bhopal - 462 023 Madhya Pradesh	42.35	36
3857	Equilibrium phases & ordering dynamics of ferronematics & bent core liquid crystals	DST-SERB-CRG	Banerjee,V., Prof. (F) Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	33.09	36
3858	Evolution of quasi-particle structure of some deformed nuclei lying in the mass range 100 $\leq A \leq 150$	DST-SERB-CRG	Bharti,A., Prof. (M) Jammu University Gujarbasti Jammu - 180 006 Jammu & Kashmir	7.59	36
3859	Excitonic condensed matter physics of dipolar, electron-hole bilayers at the hetero-interface	DST-SERB-CRG	Datta,S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	78.61	36
3860	Exciton-polariton Bose-Einstein condensates in semiconductor microcavities	DST-SERB-CRG	Paulsamy,M., Prof. (M) Associate Professor Bharathidasan University Mathur, Mandaiyur Tiruchirappalli - 620 024 Tamil Nadu	20.06	36
3861	Exploring boron-based nonmaterials for compact & highly sensitive neutron detectors by band gap engineering: A combined density functional theory & experimental approach	DST-SERB-CRG	Jha,P.K., Prof. (M) Maharaja Sayajirao University of Baroda Sayajigunj Vadodara - 390 020 Gujarat	28.16	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3862	Exploring magneto-caloric effect & spin-frustrated magnetism in some Rare-Earth based pyrochlore ( $A_2B_2O_7$ ; A = Rare Earth) & double perovskite ( $A_2B'B''O_6$ ; B' = Rare-Earth) materials towards application in magnetic refrigeration	DST-SERB-CRG	Jana,Y., Prof. (M) Associate Professor Kalyani University Block C Kalyani - 741 245 West Bengal	32.95	36
3863	Exploring molecular growth of hydrocarbons in slow (Energy 1 KeV or less) Ion-molecule collisions	DST-SERB-CRG	Rajput,J., Dr. (F) Assistant Professor Delhi University Delhi - 110 007 Delhi	33.11	36
3864	Exploring new functional materials under high pressures & high temperatures	DST-SERB-CRG	Athinarayanan,S., Prof. (M) Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	30.46	36
3865	Exploring new physics with dark matter & neutrinos	DST-SERB-CRG	Rakshit,S., Prof. (M) Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 452 011 Madhya Pradesh	21.05	36
3866	Exploring photocatalytic & photovoltaic properties of dimensionally tuned, vertically aligned $BiFeO_3$ nanorods & heterostructures	DST-SERB-CRG	Roy,S.C., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	29.30	36
3867	Exploring radioactive neutrino mass models through dark matter & collider experiments	DST-SERB-CRG	Ghosh,K., Dr. (M) Reader F Institute of Physics Sachivalaya Marg Bhubaneswar - 751 005 Odisha	17.43	36
3868	Fabrication & investigation of electrochromic electrodes for improving device performance	DST-SERB-CRG	Kumar,R., Dr. (M) Associate Professor Indian Institute of Technology (Indore) Khandwa Road, Simrol Indore - 452 011 Madhya Pradesh	28.71	36
3869	Fabrication of flexible & transparent high performance photodetectors using perovskite nanocrystals	DST-SERB-CRG	Acharya,S., Prof. (M) Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	40.61	36
3870	Fabrication of morphologically ordered electrode materials for high performance super capacitors	DST-SERB-CRG	Das,S., Dr. (M) Assistant Professor Jadavpur University 188, Raja Subodh Chandra Mullick Road, Jadavpur Kolkata - 700 032 West Bengal	39.55	36
3871	Fabrication of photonic crystals with plasmonic nanoparticles for improved optical sensing & detection of hazardous materials	DST-SERB-CRG	Tata,B.V., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	54.54	36
3872	Fault prediction of transferred Arc thermal plasma by real-time monitoring of optical, acoustic & electrical signals to avoid extinction	DST-SERB-CRG	Das,D.P., Dr. (M) Senior Scientist CSIR-Institute of Minerals & Materials Technology Bhubaneswar - 751 013 Odisha	29.27	36
3873	First-principles design of functional materials by multimode coupling	DST-SERB-CRG	Ghosh,S., Dr. (M) Professor S.R.M. University S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	36.60	36
3874	First-principles investigation of structural, mechanical & transport properties of binary & ternary transition metal nitrides & carbides	DST-SERB-CRG	Sailo,L., Dr. (M) Assistant Professor Government Serchhip College Serchhip - 796 181 Mizoram	33.26	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3875	Fluctuations & correlations: A Hunt to QCD critical end point	DST-SERB-CRG	Kumar,A., Dr. (M) Assistant Professor Dr. B.R. Ambedkar National Institute of Technology Jalandhar - 144 011 Punjab	5.04	36
3876	Generation of exciton-polariton laser using two dimensional semiconductors embedded optical microcavity	DST-SERB-CRG	Dhara,S., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	88.22	36
3877	Growth & quick optimization of magneto dielectric composite thin films using combinatorial pulsed laser deposition technique	DST-SERB-CRG	Joshi,U.S., Prof. (M) Gujarat University 120, Circular Road, Navrangpura Ahmedabad - 380 009 Gujarat	37.44	36
3878	Growth & realization of ferroelectric- photovoltaic effect in ZnSnS <sub>3</sub> thin films for solar cell & photo detector applications	DST-SERB-CRG	Nayak,A., Prof. (M) Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	24.46	36
3879	Growth of periodic multi- bi-layer structures of high Z metals on the surface of three dimensional topological insulators	DST-SERB-CRG	Roy,S., Dr. (M) Assistant Professor Delhi University Delhi - 110 007 Delhi	29.15	36
3880	Growth of vertically aligned carbon nanotubes & graphene by fused hollow cathode based atmospheric pressure glow discharge plasma CVD	DST-SERB-CRG	Parida,S., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	45.62	36
3881	Harnessing nonlinearity in metamaterials for realizing a high power room temperature Terahertz source	DST-SERB-CRG	Roychowdhury,D., Dr. (M) Professor Mahindra University Mahindra Ecole Centrate, Survey No. 62/1A, Bahadurpally, Jeedimetia Hyderabad - 500 043 Telangana	25.01	36
3882	High accuracy measurements of magnetic field integrals for the DAVV undulator systems	DST-SERB-CRG	Mishra,G., Dr. (M) Professor Devi Ahilya Vishwavidyalaya Khandwa Road Indore - 452 001 Madhya Pradesh	28.10	36
3883	Influence of self-affine & periodic surface fluctuations on 'coffee ring effect'	DST-SERB-CRG	Sarkar,S., Dr. (M) Associate Professor Indian Institute of Technology (Ropar) Nangal Road, Hussainpur Rupnagar - 140 001 Punjab	47.01	36
3884	Influences of dark sector on local dynamics & kinematics	DST-SERB-CRG	Bhadra,A., Dr. (M) Senior Research Physicist North Bengal University Raja Ram Mohanpur Darjeeling - 734 430 West Bengal	19.42	36
3885	Infrared plasmonics of nanostructures conducting oxides for communication & spectroscopic applications	DST-SERB-CRG	Mitra,J., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	55.76	36
3886	Investigating magneto-structural transitions using resonant ultrasound spectroscopy	DST-SERB-CRG	Nair,S., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	69.41	36
3887	Investigating the observational imprints of non-trivial inflationary dynamics	DST-SERB-CRG	Sriramkumar,L., Prof. (M) Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	14.77	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3888	Investigation of quantum effects in lossy waveguide arrays	DST-SERB-CRG	Rai,A., Dr. (M) Assistant Professor Jawaharlal Nehru University New Mehrauli Road, JNU Ring Road New Delhi - 110 067 Delhi	17.81	36
3889	Investigation of reciprocal & non-reciprocal optical activity using light beams with singularity & helicity	DST-SERB-CRG	Viswanathan,N.K., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	73.40	36
3890	Investigation of ultrafast magnetization dynamics in a network of ferromagnetic nanostructures	DST-SERB-CRG	Dwivedi,S., Dr. (M) Professor National Institute of Technology (Andhra Pradesh) Tadepalligudem - 534 101 Andhra Pradesh	20.01	36
3891	Investigation of wetting behavior & mobility of aqueous drops on lubricating fluid coated slippery surfaces	DST-SERB-CRG	Krishnacharya, Prof. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	55.53	36
3892	Investigations of optical, electro-optical & mechanical properties of liquid crystal based soft photonic composites	DST-SERB-CRG	Nair,G.G., Dr. (F) Scientist E Centre for Nano & Soft Matter Sciences P.B. No. 1329, Jalahalli Bengaluru - 560 013 Karnataka	42.53	36
3893	Investigations of quantum phases & magnetic ground states in Rare Earth Pyrochlore iridate & quaternary tetravalent iridate single crystals	DST-SERB-CRG	Elizabeth,S., Dr. (F) Chief Research Scientist Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	51.96	36
3894	Investigations of strong radiative coupling between excitons & surface Plasmon polaritons in single hybrid semiconductor metal nanoantenna	DST-SERB-CRG	Vasa,P.R., Prof. (F) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	58.56	36
3895	Investigations on Ag - substituted $\text{Cu}_2\text{ZnSnSe}_4$ thin film absorber layers for the fabrication of heterojunction solar cells	DST-SERB-CRG	Chandra,G.H., Dr. (M) Associate Professor Visvesvaraya National Institute of Technology (Nagpur) South Ambazari Road Nagpur - 440 010 Maharashtra	33.65	36
3896	Investigations on Surface Plasmon Resonance (SPR) based optical sensing with an emphasis on the role of spin waves & magnonics in related materials	DST-SERB-CRG	Sharma,A.K., Dr. (M) Assistant Professor National Institute of Technology (Delhi) Department of Physics, A-7, Institutional Area New Delhi - 110 040 Delhi	20.44	36
3897	Investigations on the problem of quantum oscillations in Kondo & other insulators	DST-SERB-CRG	Kumar,B., Prof. (M) Jawaharlal Nehru University New Mehrauli Road New Delhi - 110 067 Delhi	34.25	36
3898	Josephson junctions with strained Dirac materials & their application in quantum information processing	DST-SERB-CRG	Benjamin,C., Dr. (M) Reader F Indian Institute of Science Education & Research (Berhampur) Tehsildar Office, Khurda, Pipli, Jatni Bhubaneswar - 751 005 Odisha	21.86	36
3899	Kinetics & dynamics of amylin protein at single-molecule level using optical tweezers	DST-SERB-CRG	Gupta,A.N., Dr. (M) Assistant Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	25.96	36
3900	Large area synthesis of 2D MoS2 structures for low power & fast NO2 gas sensor	DST-SERB-CRG	Kumar,M., Prof. (M) Associate Professor Indian Institute of Technology (Jodhpur) NH-65, Surpura Bypass Road, Karwar Jodhpur - 342 011 Rajasthan	40.81	36



BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3901	Li+ Nasicon-polymer hybrid composites for solid state super capacitor applications	DST-SERB-CRG	Dalvi,A., Prof. (M) Birla Institute of Technology & Science (Pilani) Department of Physics, Vidya Vihar Pilani - 333 031 Rajasthan	43.97	36
3902	Light manipulation system using micro-optical Concepts (LITECON)	DST-SERB-CRG	Ram,S.K., Dr. (M) Associate Professor Amrita Vishwa Vidyapeetham Amritapuri, P.O.Clappana Kollam - 690 525 Kerala	38.01	36
3903	Magnetically driven ferroelectricity & magnetoelectric coupling in bulk & nano fibrous mats of ReFeO3-PbTiO3 solid solutions	DST-SERB-CRG	Singh,A., Dr. (M) Assistant Professor Guru Nanak Dev University Grand Trunk Road, Off NH 1 Amritsar - 143 005 Punjab	34.48	36
3904	Mechanochemical approach for perovskite solar cells: A way towards efficient, stable & low cost solar cells	DST-SERB-CRG	Yadav,P.K., Dr. (M) Assistant Professor Pandit Deendayal Petroleum University Gandhinagar - 382 007 Gujarat	36.64	36
3905	Microresonator frequency combs in visible: A path to ultra short pulse generation & spectroscopy	DST-SERB-CRG	Pant,R., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	57.35	36
3906	Modeling binary spherical colloidal particles of limited valency with mobile linker	DST-SERB-CRG	Babu,S.B., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	11.00	36
3907	Modeling electronic transport beyond linearized Boltzmann transport equation: An Ab-initio approach	DST-SERB-CRG	Alam,A., Prof. (M) Associate Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	38.95	36
3908	Nanodielectrics: An approach towards interfacial interaction & its role on device application from bench to field	DST-SERB-CRG	Mahaling,R.N., Dr. (M) Reader Sambalpur University Jyoti Vihar, Sombalpur Burla - 768 019 Odisha	23.98	36
3909	No core shell model study for lighter neutron-rich nuclei	DST-SERB-CRG	Srivastava,P.C., Dr. (M) Assistant Professor Indian Institute of Technology (Roorkee) Roorkee-Haridwar Highway Roorkee - 247 667 Uttarakhand	28.86	36
3910	Non-collinear magnetism in heusler materials	DST-SERB-CRG	Sahariah,M.B., Dr. (F) Associate Professor Institute of Advanced Study in Science & Technology Paschim Boragaon, Garchuk Guwahati - 781 035 Assam	25.21	36
3911	Novel boron-rich B-C, B-O & B-P phases for sensing applications in harsh environment: Establishing correlation between charge-density distribution & sensing property	DST-SERB-CRG	Mondal,S., Dr. (M) Principal Scientist CSIR-Central Glass & Ceramic Research Institute 196, Raja S.C. Mullick Road Kolkata - 700 032 West Bengal	21.86	36
3912	Novel mechanism of laser energy absorption directly by Ions	DST-SERB-CRG	Das,A., Dr. (F) Senior Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	48.71	36
3913	Physics of Dirac & Weyl semimetals	DST-SERB-CRG	Agarwal,A.K., Prof. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	28.47	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3914	Polarization Mueller matrix spectroscopy & weak measurements on plasmonic metmaterials	DST-SERB-CRG	Ghosh,N., Dr. (M) Professor Indian Institute of Science Education & Research (Kolkata) Nadia Mohanpur - 741 246 West Bengal	59.98	36
3915	Polyoxovanadate intercalated 2D cobalt-chromium layered double hydroxide nanosheets hybridized with graphene oxide as high energy density supercapacitor electrode	DST-SERB-CRG	Gunjekar,J.L., Dr. (M) Fellow D.Y. Patil Education Society Line Bazar, Kasaba Bawada Kolhapur - 416 004 Maharashtra	23.98	36
3916	Precision measurement of fluctuations & generation of large negative Gaussian curvature in colloidal membranes	DST-SERB-CRG	Sharma,P., Dr. (F) Assistant Professor Indian Institute of Science C.V. Raman Road Bengaluru - 560 012 Karnataka	33.82	36
3917	Probing new physics interactions	DST-SERB-CRG	Dutta,S., Dr. (M) Associate Professor S.G.T.B. Khalsa College , University of Delhi, University Enclave Delhi - 110 007 Delhi	79.64	36
3918	Prototype development of metal oxide-graphene based sensor array for selective detection of Nox & ammonia at low operating temperature	DST-SERB-CRG	Jagtap,S., Dr. (F) Assistant Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	32.82	36
3919	Proximity effect studies at the interface between a topological insulator & a ferromagnetic insulator to realize quantum anomalous hall effect	DST-SERB-CRG	Raman,K.V., Dr. (M) Reader Tata Institute of Fundamental Research Centre for Interdisciplinary Sciences, 21 Brundavan Colony, Narsingi Hyderabad - 500 075 Telangana	58.48	36
3920	Quantum dynamics of excition spins in optically active organic & inorganic lead halide perovskite quantum wells & nanocrystals	DST-SERB-CRG	Adarsh,K., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Bhauri Bhopal - 462 023 Madhya Pradesh	59.85	36
3921	Quantum information protocols with photon added & subtracted multimode continuous variable states	DST-SERB-CRG	Prabhu,R., Dr. (M) Assistant Professor Indian Institute of Technology (Dhanbad) Walmi Campus, Belur Industrial Area, Pb Road Dharwad - 580 011 Karnataka	23.05	36
3922	Quantum information theoretic formulations of quantum thermodynamics with multiple conserved quantities & their applications in quantum heat engines & quantum technologies	DST-SERB-CRG	Bera,M.N., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	6.55	36
3923	Quantum paelectric to relaxor ferroelectric phase transition in donor & acceptor pair doped TiO <sub>2</sub>	DST-SERB-CRG	Adyam,V., Prof. (M) Associate Professor Indian Institute of Technology (Kharagpur) Kharagpur - 721 302 West Bengal	50.31	36
3924	Selective molecular & Ion transport through 2D vermiculite laminates	DST-SERB-CRG	Kalon,G., Prof. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Palai Gandhinagar - 382 424 Gujarat	56.54	36
3925	Shape deformation of membrane due to chiral proteins	DST-SERB-CRG	Sain,A., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	24.37	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3926	Spectroscopic analysis of heavy hadrons observed at LHCb, BaBar, & CDF accelerators using effective theories	DST-SERB-CRG	Upadhyay,A., Dr. (F) Associate Professor Thapar Institute of Engineering & Technology Adarsh Nagar, Prem Nagar Patiala - 147 004 Punjab	25.49	36
3927	Spin-orbit coupled Bose-Einstein condensates in optical lattices	DST-SERB-CRG	Sekh,G.A., Dr. (M) Assistant Professor Kazi Nazrul University Nazrul Road, Kalla Bypass More, P.O.Kalla C.H. Asansol - 713 340 West Bengal	6.96	36
3928	Spin-orbit interaction driven novel quantum spin liquid states	DST-SERB-CRG	Ray,S., Prof. (M) Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	25.64	36
3929	Spin-orbit interaction effects in low dimensional spin systems	DST-SERB-CRG	Durganandini,P., Dr. (F) Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	40.74	36
3930	Spin-phonon coupling in anti-ferromagnetic insulators: A Raman Spectroscopic study	DST-SERB-CRG	Saha,S., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Bhopal) Bhauri Bhopal - 462 023 Madhya Pradesh	45.98	36
3931	State-of-the-art multifunction CdTe flexible thin film solar cells using low-cost wet chemical technique	DST-SERB-CRG	Chaure,N.B., Dr. (M) Associate Professor Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	35.35	36
3932	Structure & properties of new twist-bend nematic liquid crystals with nanoscale modulation of molecular orientation	DST-SERB-CRG	Dhara,S., Prof. (M) Hyderabad University Hyderabad - 500 046 Telangana	44.37	36
3933	Study of exotic ground states in frustrated triangular lattice antiferromagnets	DST-SERB-CRG	Nath,R.C., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	34.62	36
3934	Study of spatially modulated states in condensed matter systems using gauge/gravity duality	DST-SERB-CRG	Mukhopadhyay,S., Dr. (M) Associate Professor Sikkim University Samdur, P.O. Tadong Gangtok - 737 102 Sikkim	12.98	36
3935	Superconductivity in topological materials	DST-SERB-CRG	Singh,R.P., Dr. (M) Associate Professor Indian Institute of Science Education & Research (Bhopal) Bhauri Bhopal - 462 023 Madhya Pradesh	64.02	36
3936	Surface properties of neutron-rich exotic nuclei	DST-SERB-CRG	Panda,R., Dr. (M) Associate Professor Siksha O Anusandhan University J-15, Khandagiri Marg, Dharam Vihar, Jagamara Bhubaneswar - 751 003 Odisha	19.29	36
3937	Surrogate ratio method: A fascinating tool to measure the nuclear reaction cross sections	DST-SERB-CRG	Kumar,A., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan, Malviya Road Varanasi - 221 005 Uttar Pradesh	22.11	36
3938	Symmetry-breaking states in coupled oscillators: Effects of dispersion, dissipation & noise	DST-SERB-CRG	Banerjee,T., Dr. (M) Associate Professor Burdwan University Raiganj Burdwan - 713 101 West Bengal	10.34	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3939	Synthesis & characterization of co-based bulk polycrystalline & nanocrystalline alloys as potential rare-earth free permanent magnets	DST-SERB-CRG	Srinivasan,R., Dr. (F) Associate Professor Mumbai University Vidya Nagari, Kalina Mumbai - 400 098 Maharashtra	19.73	36
3940	Synthesis & study of TMDC & core-shell QDs & their application on hybrid Light-Emitting Transistors (LETs) for low-voltage & low power consumption	DST-SERB-CRG	Ghosh,A.K., Prof. (M) Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	52.47	36
3941	Terahertz spectroscopic studies of layered 2-D materials	DST-SERB-CRG	Kini,R.N., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Thiruvananthapuram) Computer Science Building, College of Engineering Thiruvananthapuram - 695 016 Kerala	32.00	36
3942	The development of efficient theoretical & simulation tools for designing low cost & high figure of merit plasmonic sensors based on isolated & coupled nano particle systems	DST-SERB-CRG	Shishodia,M.S., Dr. (M) Assistant Professor Gautam Buddha University Gautam Budh Nagar Greater Noida - 201 308 Uttar Pradesh	16.61	36
3943	The flavor window to physics beyond the Standard model	DST-SERB-CRG	Kundu,A., Prof. (M) Calcutta University 87/1, College Street Kolkata - 700 073 West Bengal	21.79	36
3944	The role of spacer layer in exchange coupled Bi-phase magnetic multilayers & nanocomposites	DST-SERB-CRG	Lamba,S., Dr. (F) Assistant Professor Indira Gandhi National Open University Maidan Garhi New Delhi - 110 067 Delhi	20.81	36
3945	Theoretical investigation of structural properties of nuclei of experimental interest	DST-SERB-CRG	Saxena,G., Dr. (M) Assistant Professor Government Women Engineering College (Ajmer) Nasirbad Road, Makhupura Ajmer - 305 002 Rajasthan	20.49	36
3946	Tuning self-assembly of fluorescent protein nanodots for Melanoma Skin Cancer	DST-SERB-CRG	Parmar,A.S., Dr. (M) Assistant Professor Indian Institute of Technology (BHU) Banaras Hindu University Varanasi - 221 005 Uttar Pradesh	36.69	36
3947	Two-dimensional nanomaterial based hybrid structures for switching & memory applications	DST-SERB-CRG	Ray,S.J., Dr. (F) Assistant Professor Indian Institute of Technology (Patna) Bihta Patna - 801 103 Bihar	44.15	36
3948	Understanding Dzyaloshinskii Moriya interaction in ferromagnetic thin film heterostructures: Experiment & theory	DST-SERB-CRG	Sinha,J., Dr. (M) Assistant Professor S.R.M. University S.R.M. Nagar Kattankulathur - 603 203 Tamil Nadu	53.34	36
3949	Understanding of low temperature lattice structure, magnetism & magneto-electricity in Rare-Earth element doped La (2-x) RE(x) NiMnO <sub>6</sub> double perovskite	DST-SERB-CRG	Bhowmik,R.N., Dr. (M) Associate Professor Pondicherry University Chinna, Kalapet Puducherry - 605 014 Puducherry	69.34	36
3950	Understanding the influence of young massive stars on the surrounding interstellar medium	DST-SERB-CRG	Vig,S., Dr. (F) Associate Professor Indian Institute of Space Science & Technology Valiamala Road Thiruvananthapuram - 695 547 Kerala	22.90	36
3951	Understanding the interplay between electron correlations & spin-orbit interactions in oxides using theory & experiments	DST-SERB-CRG	Raghunathan,R., Dr. (M) Scientist D UGC-DAE Consortium for Scientific Research Khandwa Road Indore - 452 001 Madhya Pradesh	56.92	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3952	Understanding the jamming dynamics & nonlinear viscoelasticity of non-equilibrium viscous liquids with non-linear dielectric & rheo-dielectric studies	DST-SERB-CRG	Bandyopadhyay,R., Dr. (F) Professor Raman Research Institute V. Raman Avenue, Sadashivanagar Bengaluru - 560 080 Karnataka	37.08	36
3953	Understanding the three dimensional structure of proton	DST-SERB-CRG	Chakrabarti,D., Prof. (M) Associate Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	19.62	36
3954	Universality in the nonequilibrium dynamics of nonintegrable spin systems	DST-SERB-CRG	Roy,A., Dr. (M) Assistant Professor Burdwan University Raiganj Burdwan - 713 101 West Bengal	34.74	36
3955	Unraveling the interdisciplinary facets of physics & data sciences in real life socio-economic challenges	DST-SERB-CRG	Basu,B., Prof. (F) Indian Statistical Institute 203, Barrackpore Trunk Road Kolkata - 700 108 West Bengal	21.20	36
3956	Unraveling the role of charged defects in Inorganic-Organic (IO) hybrid perovskites at realistic conditions: A multi-scale modeling starting from hybrid DFT, GW, & BSE combined with Ab initio thermodynamics	DST-SERB-CRG	Bhattacharya,S., Prof. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	43.01	36
3957	Visible light active catalyst for photo-oxidation of organic systems in aqueous suspension	DST-SERB-CRG	Muneer,M., Prof. (M) Aligarh Muslim University Aligarh - 202 002 Uttar Pradesh	32.34	36
3958	Computational aspects of social choice: Theory & practice	DST-SERB-ECRA	Misra,N., Dr. (F) Assistant Professor Indian Institute of Technology (Gandhinagar) Vishwakarma Government Engineering College Campus, Gandhi Nagar, Chandkheda Gandhinagar - 382 424 Gujarat	21.54	36
3959	Cryptanalysis of stream cipher	DST-SERB-ECRA	Sarkar,S., Dr. (M) Associate Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	21.26	36
3960	Define: Development of efficient full color InGaN nanostructures led emitters	DST-SERB-ECRA	Kumar,P., Dr. (M) Assistant Professor Indian Association for the Cultivation of Science 2a & 2b Raja, S.C. Mallick Road Kolkata - 700 032 West Bengal	46.04	36
3961	Differentiability & orthogonality in banach spaces	DST-SERB-ECRA	Grover,P., Dr. (F) Assistant Professor Shiv Nadar University Tehsil Dadri, Village Chithera Noida - 203 207 Uttar Pradesh	19.82	36
3962	Droplet suspensions in homogeneous turbulence	DST-SERB-ECRA	Parlekar,P., Dr. (M) Reader Tata Institute of Fundamental Research Centre For Interdisciplinary Sciences, 21 Brundavan Colony, Narsingi Hyderabad - 500 107 Telangana	45.55	36
3963	Modeling & simulation of polarized dust emission using the Planck data & external templates	DST-SERB-ECRA	Ghosh,T., Dr. (M) Assistant Professor National Institute of Science Education & Research Tehsildar Office, Khurda, Pipli, Near, Jatni Bhubaneswar - 751 005 Odisha	44.93	36
3964	Questions in analytic number theory - Classical & number field settings	DST-SERB-ECRA	Vatwani,A., Dr. (F) Assistant Professor Grade II Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 424 Gujarat	19.99	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3965	Spin orbit engineering of Dark Dirac excitons	DST-SERB-ECRA	Kumar,A., Prof. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	40.37	36
3966	Development of broad localized surface-plasmon enhanced metal-oxide photocatalysts co-doped with plasmonic metals for efficient solar energy utilization	DST-SERB-EMEQ	Ramchiary,A., Dr. (M) Assistant Professor Bodoland University Debragaon, P.O. Rangalikhata Kokrajhar - 783 370 Assam	30.00	36
3967	Development of electroactive polymer nanocomposites based self-charged photo-power cells: A novel & simple approach towards clean energy generation & storage	DST-SERB-EMEQ	Thakur,P., Dr. (M) Assistant Professor Netaji Nagar College For Women 170/13/1, N.S.C Bose Road, Regent Estate Kolkata - 700 092 West Bengal	30.28	36
3968	Development of graphene-Alq <sub>3</sub> nano composite as cold cathode & luminescent anode for flexible field emission display applications	DST-SERB-EMEQ	Das,S., Dr. (F) Assistant Professor Ananda Mohan College 102/1, Raja Rammohan Sarani Kolkata - 700 009 West Bengal	42.21	36
3969	Effect of magnetic & non-magnetic element (Fe, Zn & Al) substitution on synthesis & characterization of MnTiO <sub>3</sub>	DST-SERB-EMEQ	Naik,I., Dr. (M) Assistant Professor North Orissa University Sri Ram Chandra Vihar, Takatpur, Mayurbhanj Baripada - 757 003 Odisha	39.78	36
3970	Enhance the phase change memory properties of Gesbte thin film by the addition of Se & S, established by their electrical, optical, thermal & structural behavior	DST-SERB-EMEQ	Pumlianmunga, Dr. (M) Assistant Professor Jamia Millia Islamia Jamia Nagar New Delhi - 110 025 Delhi	49.74	36
3971	Exploring high density magnetic medium in nanocrystalline spinel ferrites for magnetic recording system	DST-SERB-EMEQ	Bora,T., Dr. (F) Assistant Professor National Institute of Technology (Meghalaya) Bijni Complex, Laitumkhrach Shillong - 793 003 Meghalaya	21.72	36
3972	Fabrication & studies on novel Type II Gdmno3 multifunctional oxide based heterostructures	DST-SERB-EMEQ	Kataria,B.R., Dr. (M) Associate Professor Saurashtra University Rajkot - 380 005 Gujarat	33.73	36
3973	First-principles investigation of piezoelectric & half-metallic magnetism in wide band gap II-VI compounds for spintronic & other applications	DST-SERB-EMEQ	Zuala,L., Dr. (M) Assistant Professor Pachhunga University College College Veng Aizawal - 796 001 Mizoram	40.09	36
3974	Grapheme embedded metal/metal oxide carbon nanofiber composites for energy storage	DST-SERB-EMEQ	Pitcheri,R., Dr. (M) Professor Paavai Engineering College Pavai Nagar, Pachal, NH7 Namakkal - 637 018 Tamil Nadu	35.54	36
3975	Investigation of Sp <sup>2</sup> /Sp <sup>3</sup> edge functionalized GaN nanoribbons for spintronic device applications	DST-SERB-EMEQ	Jaiswal,N.K., Dr. (M) Assistant Professor Indian Institute of Information Technology, Design & Manufacturing Pandit Dwarka Prasad Mishra, Dumna Airport Road Jabalpur - 482 005 Madhya Pradesh	21.44	36
3976	Many-body correlation effects in one-dimensional electronic materials	DST-SERB-EMEQ	Ashokan,V., Dr. (M) Assistant Professor Dr. B.R. Ambedkar National Institute of Technology Jalandhar - 144 011 Punjab	29.64	36
3977	Nonequilibrium phenomena in the interface of quantum optics & condensed matter Physics at ultracold situations	DST-SERB-EMEQ	Biswas,S., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	23.97	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3978	The collectivity around N ~ 40: Need a new effective interaction for Fp <sub>92</sub> D <sub>52</sub> model space and brief shell model calculations in Fp, Fp <sub>92</sub> and Fp <sub>92</sub> D <sub>52</sub> model space	DST-SERB-EMEQ	Kumar,V., Dr. (M) Assistant Professor Banaras Hindu University Pandit Madan Mohan Malviya Road Varanasi - 221 005 Uttar Pradesh	45.18	36
3979	Attempt to observe quantum melting of a 2D Wigner crystal at zero magnetic field: Stabilization & investigation of Multi-Electron Bubbles (MEBs) in liquid helium-3	DST-SERB-HRHR	Ghosh,A., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	448.95	36
3980	Aspects of quantum information in Qft over curved geometries: Study through quantum detectors & analogue systems	DST-SERB-SRG	Lochan,K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	7.26	24
3981	Attosecond spectroscopy as a probe of electron correlation in small polyatomics	DST-SERB-SRG	Majety,V.P., Dr. (M) Assistant Professor Indian Institute of Technology (Tirupati) A Renigunta Road, Settipalli Tirupati - 517 506 Andhra Pradesh	28.71	24
3982	Controlling the mott insulating states by Dc current	DST-SERB-SRG	Sow,C., Dr. (M) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	28.70	24
3983	Crystal growth & electronic structure exploration of newly discovered magnetic Weyl semimetals & multiple degenerate fermions	DST-SERB-SRG	Nayak,J., Dr. (F) Assistant Professor Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	22.11	24
3984	Developing a source of bright entangled light for quantum communication & quantum sensing	DST-SERB-SRG	Kumar,A., Dr. (M) Assistant Professor Indian Institute of Space Science & Technology Valiamala Thiruvananthapuram - 695 547 Kerala	24.55	24
3985	Development of carbon based materials for applications in high energy density metal-air battery cathode	DST-SERB-SRG	Dhiman,R., Dr. (M) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	29.25	24
3986	Development of fast fluoride ion conducting solid electrolytes for rechargeable solid state fluoride ion batteries	DST-SERB-SRG	Patro,L., Dr. (M) Assistant Professor S.R.M. University Ap Mangalagiri Neerukonda Tadikonda Road, Mangalagiri, Mandal Guntur - 522 502 Andhra Pradesh	31.61	24
3987	Development of high-performance energy storage devices with earth abundant materials	DST-SERB-SRG	Sarkar,D., Dr. (M) Assistant Professor Malaviya National Institute of Technology (Jaipur) Jawaharlal Nehru Marg, Malviya Nagar Jaipur - 302 017 Rajasthan	24.95	24
3988	Direct measurements of electrocaloric effects in ferroelectric perovskites for solid-state cooling applications	DST-SERB-SRG	Mukherjee,D., Dr. (M) Assistant Professor Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	23.20	24
3989	Electric field control of the Dzyaloshinskii-Moriya interaction & hence, topological spin textures	DST-SERB-SRG	Nandy,A.K., Dr. (M) Assistant Professor National Institute of Science Education & Research Tehsildar Office, Khurda, Pipli Jatni - 752 050 Odisha	28.41	24
3990	Engineering magnetic order & exchange coupling in topological insulator hetero-structures: A combined Mbe & spin-polarized Stm study	DST-SERB-SRG	Manna,S., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	17.19	24

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
3991	Fabrication of High-K dielectric oxide layers with embedded semiconductor nanoparticles for flash memory device applications & their engineering by Ion beam irradiation	DST-SERB-SRG	Vadavalli,S., Dr. (M) Assistant Professor GITAM University Gandhi Nagar, Beach Road, Rushikonda Visakhapatnam - 530 045 Andhra Pradesh	26.33	24
3992	High-pressure regulation & performance optimization of thermoelectric materials based on Iv-Vi binary composition.	DST-SERB-SRG	Shahi,P., Dr. (M) Assistant Professor Deendayal Upadhyay Gorakhpur University Civil Lines Gorakhpur - 273 009 Uttar Pradesh	31.66	24
3993	Hybrid photonic-plasmonic nanostructure for strong light-matter interaction at the single photon level	DST-SERB-SRG	Yalla,R., Dr. (M) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	31.30	24
3994	Immiscible liquid on liquid impact & entry dynamics	DST-SERB-SRG	Kumar,D., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	28.94	24
3995	Insights into mechanical failure of amorphous solids using colloidal suspensions	DST-SERB-SRG	Chikkadi,V.K., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Pune) Dr. Homi Bhabha Road, Pashan Pune - 411 008 Maharashtra	21.93	24
3996	Investigations on intercalation mechanism of multivalent ions in Mxenes nanosheets towards the development of electrode materials for next generation batteries & supercapacitors	DST-SERB-SRG	Sathyanarayanavarma,A., Dr. (M) Assistant Professor SASTRA University Thirumalaisamudram Thanjavur - 613 401 Tamil Nadu	27.73	24
3997	Keldysh renormalization group for quantum spin liquids	DST-SERB-SRG	Iqbal,Y., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	31.50	24
3998	Lattice supersymmetry & holography	DST-SERB-SRG	Joseph,A., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Mohali) Knowledge City, Sector 81, S.A.S. Nagar Mohali - 140 306 Punjab	19.44	24
3999	Low mass star formation in diverse environmental conditions	DST-SERB-SRG	Jose,J., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Tirupati) Karakambadi Road, Rami Reddy Nagar, Mangalam Tirupati - 517 507 Andhra Pradesh	15.11	24
4000	Low-cost chemical vapor deposition processed large area multi-dimensional lead halide perovskite light-emitting devices	DST-SERB-SRG	Bhaumik,S., Dr. (M) Assistant Professor Institute of Chemical Technology Samantapuri Mouza, Gajapati Nagar Bhubaneswar - 751 013 Odisha	29.61	24
4001	Magneto-transport in ferromagnetic nanowire networks & device applications	DST-SERB-SRG	Ray,N., Dr. (F) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	30.91	24
4002	Optimizing work fluctuations of quantum heat engines	DST-SERB-SRG	Prasannavenkatesh,B., Dr. (M) Assistant Professor Indian Institute of Technology (Gandhinagar) Palaj Gandhinagar - 382 355 Gujarat	14.56	24
4003	Overcoming the shockley - queisser limit of photocurrent in $\text{CH}_3\text{NH}_3\text{PbBr}_3$ based organic-inorganic hybrid perovskite solar cells	DST-SERB-SRG	Bera,A., Dr. (M) Assistant Professor Indian Institute of Technology (Jammu) Nagrota Bypass Rpad Jammu - 181 221 Jammu & Kashmir	11.11	24



BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
4004	Photon-phonon interactions for communications applications	DST-SERB-SRG	Choudhary,A., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	31.54	24
4005	Probing low energy excitations in non-centrosymmetric superconductors by THz-time domain spectroscopy	DST-SERB-SRG	Mondal,M., Dr. (M) Assistant Professor Indian Association for the Cultivation of Science 2a & 2b, Raja Subodh Chandra Mullick Road Kolkata - 700 032 West Bengal	30.67	24
4006	Qcd thermodynamics using non-perturbative Dyson-swinger equation approach	DST-SERB-SRG	Haque,N., Dr. (M) Assistant Professor National Institute of Science Education & Research Tehsildar Office, Khurda, Pipli Jatni - 752 050 Odisha	16.39	24
4007	Quantum chaos & many-body phenomena in the light of semi-classics & quantum information theory	DST-SERB-SRG	Madhok,V., Dr. (M) Assistant Professor Indian Institute of Technology (Madras) Chennai - 600 036 Tamil Nadu	14.45	24
4008	Scandium Nitride (ScN) schottky & pn junction diodes	DST-SERB-SRG	Saha,B., Dr. (M) Fellow Jawaharlal Nehru Centre for Advanced Scientific Research Rachenahalli Lake Road, Jakkur Bengaluru - 560 064 Karnataka	29.33	24
4009	Search for dark matter in mono-photon, mono-higgs & mono-zprime final states using the proton-proton collisions data collected by the compact muon solenoid experiment at the large hadron collider at center-of-mass energy of 13 Tev	DST-SERB-SRG	Gomber,B., Dr. (F) Assistant Professor Hyderabad University Hyderabad - 500 046 Telangana	14.59	24
4010	Spectral properties of random perturbations of Toeplitz matrices	DST-SERB-SRG	Basak,A., Dr. (M) Reader F International Centre for Theoretical Sciences Tifr Survey No. 151, Shivakote, Hesaraghatta, Hubli Bengaluru - 560 089 Karnataka	4.43	24
4011	Taking Susy "lightly": Exploring phenomenological viability of light singlet states in the context of non-minimal supersymmetric models	DST-SERB-SRG	Ghosh,P., Dr. (M) Assistant Professor Indian Institute of Technology (Delhi) Hauz Khas New Delhi - 110 016 Delhi	6.77	24
4012	Thermodynamics & quantum advantage of many-body quantum thermal machines	DST-SERB-SRG	Mukherjee,V., Dr. (M) Assistant Professor Indian Institute of Science Education & Research (Berhampur) Govt. ITI Building, Engingeering School Junction Berhampur - 760 010 Odisha	4.50	24
4013	Three-colouring wave functions for quantum magnets	DST-SERB-SRG	Pujari,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	30.03	24
4014	Time-resolved optical spectroscopy and device applications: Localized metallic state of ZnO & graphene based Van der Waals' heterostructure	DST-SERB-SRG	Vempati,S., Dr. (M) Assistant Professor Indian Institute of Technology (Bhilai) Gec Campus, Sejbahar Bhilai - 492 015 Chhattisgarh	31.46	24
4015	Unleashing the full potential of magnetoelectric coupling in (Ba, Ca)(Ti, Zr)O <sub>3</sub> based multi-functional composite layered structures for healthier energy harvesting applications	DST-SERB-SRG	Venkateswarlu,A., Dr. (M) Assistant Professor National Institute of Technology (Tiruchirappalli) Tanjore Main Road, National Highway 67 Tiruchirappalli - 620 015 Tamil Nadu	31.46	24

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Institute	Cost (Rs.in Lakh)	Duration (in Months)
4016	Vector vortex beams & their scattering for communication applications	DST-SERB-SRG	Salla,G.R., Dr. (M) Assistant Professor S.R.M. University Ap Mangalagiri Neerukonda Tadikonda Road, Mangalagiri, Mandal Guntur - 522 502 Andhra Pradesh	26.18	24
4017	Yielding & plastic deformation in amorphous materials	DST-SERB-SRG	Sengupta,B., Dr. (M) Sr. Assistant Professor Vellore Institute of Technology University Tiruvalam Road, Katpadi Vellore - 632 014 Tamil Nadu	30.29	24
4018	A solar assisted combined cooling, heating & power plant: An alternate rural energy source	DST-SYST	Datta,S.P., Mr. (M) Assistant Professor Birla Institute of Technology & Science (Pilani) Jawahar Nagar, Kapra Mandal Hyderabad - 500 078 Telangana	38.40	36
4019	IoT enabled performance evaluation system for transformers in rural areas	DST-SYST	Raghavan,R.M., Mr. (M) CSIR-Central Scientific Instruments Organization Taramani Chennai - 600 113 Tamil Nadu	23.66	36
4020	Multimodal user-interface for assisting elderly people in indoor environment	DST-SYST	Singha,J., Dr. (F) L.N.M. Institute of Information Technology Jaipur - 302 031 Rajasthan	23.84	36
4021	Sophisticated flexible super-capacitor for high energy storage application based on nano-materials	DST-SYST	Chakra,C.S., Dr. (F) Jawaharlal Nehru Technological University Institute of Science & Technology, Kukatpalli Hyderabad - 500 085 Telangana	44.08	36
4022	A study on single abnormal gene structure by integrated fractal patterns	DST-WOS-A	Rubini,P.K.S., Ms. (F) Thiagarajar College of Engineering Madurai - 625 015 Tamil Nadu	21.22	36
4023	Analytical modeling & simulation of innovated & renovated mosfet nanostructures suitable for future VLSI circuits	DST-WOS-A	Banerjee,P., Ms. (F) Jadavpur University Kolkata - 700 032 West Bengal	16.40	36
4024	Application of nanocomposites of metal oxides & carbon nanostructures towards glucose sensing	DST-WOS-A	Palod,P.A., Dr. (F) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	32.89	36
4025	Applications & study of nanostructured single & double perovskites for multifunctional properties	DST-WOS-A	Yadav,R., Dr. (F) Maulana Azad National Institute of Technology (Bhopal) Bhopal - 462 003 Madhya Pradesh	30.67	36
4026	Applications of liquid crystals: From display (PDLC) films to non-display (LC Lenses) devices	DST-WOS-A	Jain,A.K., Dr. (F) Institute of Chemical Technology Matunga Mumbai - 400 019 Maharashtra	25.42	36
4027	Complete analysis of chemical structure, properties & dynamics of steroids using spectroscopic & quantum chemical methods	DST-WOS-A	Sharma,A., Dr. (F) Jammu University Jammu - 180 006 Jammu & Kashmir	30.81	36
4028	Deep learning based digital image forensics towards the identification of forged & PRCG images	DST-WOS-A	Gangan,M.P., Ms. (F) Calicut University Malappuram - 673 635 Kerala	27.05	36
4029	Developing nano-crystalline rare earth hexaboride based electron emitters	DST-WOS-A	Kamble,S.A., Ms. (F) Savitribai Phule Pune University Pune - 411 007 Maharashtra	28.66	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
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4030	Development of ferroelectric polymer - Relaxor ceramics nano- composite for high energy density & storage application	DST-WOS-A	Verma,R., Ms. (F) Birla Institute of Technology (Mesra) Ranchi - 835 215 Jharkhand	20.90	36
4031	Dynamics of some nonlinear difference equations with applications	DST-WOS-A	Ghosh,E.C., Dr. (F) Indian Institute of Science Bengaluru - 560 012 Karnataka	25.85	36
4032	Effect of metmaterials in anisotropic photonic crystals for efficient control of optical phenomena	DST-WOS-A	Jose,J., Dr. (F) Indian Institute of Technology (Kanpur) Kanpur - 208 016 Uttar Pradesh	24.75	36
4033	Effect of self-heating & strain on electron leakage & efficiency droop in AlGaIn/GaN ultra violet LEDs	DST-WOS-A	Sahare,P., Ms. (F) National Institute of Technology (Raipur) Raipur - 492 010 Chhattisgarh	16.76	36
4034	Exploring numerical techniques for fractional derivatives defined from first principles	DST-WOS-A	Varma,P.S., Dr. (F) Gayatri Vidya Parishad College of Engineering Visakhapatnam - 530 048 Andhra Pradesh	28.39	36
4035	High pressure & magneto transport studies on magnetically doped 3D topological insulators for spintronics device applications	DST-WOS-A	Yadav,N., Ms. (F) Malaviya National Institute of Technology (Jaipur) Jodhpur - 302 017 Rajasthan	22.65	36
4036	Liquid crystal devices based on liquid crystals-graphene composites	DST-WOS-A	Singh,D., Ms. (F) Allahabad University Allahabad - 211 002 Uttar Pradesh	18.25	36
4037	Optical & photothermal characterization of zno nanao & micro composites for optoelectronic applications	DST-WOS-A	Francis,F., Ms. (F) St. Teresa's College Ernakulam - 682 031 Kerala	19.25	36
4038	Production & standardization of faecal sludge based bio-char for enhancing soil health & crop productivity in rural India	DST-WOS-A	Sheekha, Ms. (F) ICAR-Indian Agricultural Research Institute Pusa Campus New Delhi - 110 012 Delhi	23.54	36
4039	Quasi-hermitian & position dependent mass quantum systems	DST-WOS-A	Ruby,V.C., Dr. (F) Bharathidasan University Tiruchirappalli - 620 024 Tamil Nadu	28.01	36
4040	Removal of heavy metal(s) through the formation of bio-inspired nanoparticles for sustainable environment	DST-WOS-A	Ghosal,C., Ms. (F) Jadavpur University Raja S.C. Mallick Road Kolkata - 700 032 West Bengal	19.67	36
4041	Search for new signatures of long-lived particles at LHC experiments	DST-WOS-A	Ghosh,T., Dr. (F) Indian Institute of Science Bengaluru - 560 012 Karnataka	35.30	36
4042	Solution strategies for vector optimization problems & variational inequalities - A gap function approach through regularization	DST-WOS-A	Cherugondi,C., Dr. (F) Indian Institute of Technology (Indore) Indore - 453 552 Madhya Pradesh	31.12	36
4043	Study of a few p-nuclei in the mass region A~100 & 180	DST-WOS-A	Ray,I., Dr. (F) Jadavpur University Kolkata - 700 032 West Bengal	29.58	36
4044	Synthesis & characterization of Q-dots entrapped silica for photonic applications	DST-WOS-A	Manohar,R.M., Ms. (F) N.S.S. College (Pandalam) Pathanamthitta - 689 501 Kerala	25.74	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
4045	Synthesis & transport properties of Two Dimensional (2D) layered transition metal dichalcogenides	DST-WOS-A	Narang,D.S., Dr. (F) Indian Institute of Science Bengaluru - 560 012 Karnataka	34.62	36
4046	Use of an optical method to study acoustic emission during the nucleation in superheated droplets & its applications	DST-WOS-A	Sarkar,R., Dr. (F) Bose Institute Kolkata - 700 009 West Bengal	35.16	36
4047	Collisional rates coefficients for rotational transitions in Methanimine & their applications in Space Science & Interstellar medium	ISRO-RESPOND	Chandra,S., Prof. (M) Deputy Director Amity University Noida - 201 301 Uttar Pradesh	19.56	36
4048	Compton imaging in hard X-ray: A proposal to demonstrate the feasibility of using Compton imaging techniques at hard X-ray energies	ISRO-RESPOND	Bhalerao,V., Prof. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	41.55	36
4049	Data driven modeling of morphology & formation of impact craters in Basalt: A case study of Lonar	ISRO-RESPOND	Pujari,B., Dr. (M) Savitribai Phule Pune University Ganeshkhind Pune - 411 007 Maharashtra	29.60	24
4050	Elucidation of the deformation signatures & fluvial activity near junction of Noachis Terra with margaritifer & Arabia Terra	ISRO-RESPOND	Kundu,A., Dr. (M) Associate Professor Asutosh College 92, S.P. Mukharjee Road Kolkata - 700 026 West Bengal	23.90	36
4051	Investigation of spectro-temporal variabilities of stellar mass black hole X-ray binaries using Astrosat	ISRO-RESPOND	Radhika,D., Dr. (F) Assistant Professor Dayananda Sagar University Kudlu Gate, Hosur Main Road Bengaluru - 560 068 Karnataka	20.82	36
4052	Low frequency waves & fluid instabilities in dusty space plasmas	ISRO-RESPOND	Prajapati,R.P., Dr. (M) Assistant Professor Guru Ghasidas University Bilaspur - 495 009 Chhattisgarh	23.58	36
4053	On understanding the solar activity & preparing for space weather prediction using a state of the art dynamo model	ISRO-RESPOND	Karak,B.B., Dr. (M) Indian Institute of Technology (BHU) Varanasi - 221 005 Uttar Pradesh	30.99	36
4054	Physio-chemical conditions of formation of bole beds within Deccan basalt for Martian analogue	ISRO-RESPOND	Banerjee,S., Dr. (M) Indian Institute of Technology (Bombay) Powai Mumbai - 400 076 Maharashtra	24.98	30
4055	Study of X-ray binaries & other cosmic sources using data from Astrosat observations	ISRO-RESPOND	Paradkar,B., Prof. (M) Assistant Professor UM-DAE Centre for Excellence in Basic Sciences Kalina, Santacruz Mumbai - 400 098 Maharashtra	39.98	36
4056	Theoretical & observational study of PAHs at different temperature	ISRO-RESPOND	Naganathappa,M., Dr. (M) Assistant Professor GITAM University Gitam School of Technology Hyderabad - 502 329 Telangana	28.09	36
4057	Understanding the factors influencing the initiation & developments of mesoscale convective weather systems over southern east coast of India using three dimensional coupled numerical weather models & observation	ISRO-RESPOND	Tyagi,B., Dr. (M) Assistant Professor National Institute of Technology (Rourkela) Rourkela - 769 008 Odisha	32.09	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
4058	Understanding the nature of the extraterrestrial dust particle behavior during atmospheric entry	ISRO-RESPOND	Rudraswami, Dr. (M) Senior Scientist CSIR-National Institute of Oceanography Dona Paula - 403 004 Goa	46.49	36
4059	Wall pressure spectrum beneath a turbulent boundary layer: Measurement & semi-empirical modelling	ISRO-RESPOND	Diwan,S.S., Dr. (M) Indian Institute of Science Bengaluru - 560 012 Karnataka	18.04	24
4060	Constraining the comptonization regions in X-ray binaries using AstroSat LAXPC observations	ISRO-SSP	Sriram,K., Dr. (M) Assistant Professor Osmania University Department of Astronomy Hyderabad - 500 007 Telangana	17.66	36
4061	Exploring environments of blackhole X-ray binaries using astrosat archival data	ISRO-SSP	Thakur,P., Dr. (M) Associate Professor Guru Ghasidas University Department of Pure & Applied Physics Bilaspur - 495 009 Chhattisgarh	17.84	36
4062	Investigation of the accretion flow properties of black hole binaries with astrosat	ISRO-SSP	Sarkar,B., Dr. (M) Assistant Professor Tezpur University Department of Applied Sciences, School of Engineering, Napaam Tezpur - 784 028 Assam	14.72	36
4063	Investigation on spectral & timing properties of LMXB using AstroSat	ISRO-SSP	Gudennavar,S.B., Dr. (M) Associate Professor Christ College Department of Physics & Electronics, Centre for Research Bengaluru - 560 029 Karnataka	19.58	36
4064	Physics of jets from the comprehensive timing analysis of X-ray variability of blazars	ISRO-SSP	Chatterjee,R., Dr. (M) Assistant Professor Presidency University 86/1 College Street Kolkata - 700 073 West Bengal	18.50	36
4065	Probing the regions of strong gravity around neutron stars	ISRO-SSP	Beri,A., Dr. (F) Assistant Professor Indian Institute of Science Education & Research (Mohali) Department of Physics, Sector-81, S.A.S. Nagar Mohali - 140 306 Punjab	17.09	36
4066	Study of dipping galaxies using Astrosat	ISRO-SSP	Pawar,D., Dr. (M) Assistant Professor Ramniranjan Jhunjhunwala College Oppsite Ghatkopar Sation (W) Mumbai - 400 086 Maharashtra	17.90	36
4067	Study of emission mechanism of blazars in AstroSat era	ISRO-SSP	Bhattacharya,D., Dr. (M) Associate Professor Manipal University Manipal Centre for Natural Sciences, Centre of Excellence, Madhav Nagar Manipal - 576 104 Karnataka	17.84	36
4068	Telltale of galactic black hole X-ray binaries from AstroSat archival observations	ISRO-SSP	Radhika,D., Dr. (F) Dayananda Sagar University School of Engineering, Hosur Main Road Bengaluru - 560 068 Karnataka	19.58	36
4069	The Astrosat view on understanding	ISRO-SSP	Gogoi,R., Dr. (F) Assistant Professor Tezpur University Department of Physics Tezpur - 784 028 Assam	17.84	36
4070	Unravelling the ongoing star formation in diverse galaxy environments using UVIT	ISRO-SSP	Kartha,S.S., Dr. (F) Assistant Professor Christ University Department of Physics & Electronics Bengaluru - 560 029 Karnataka	19.58	36

BROAD SUBJECT AREA : PHYSICAL SCIENCES					
Record No.	Project Title	Funding Agency - Scheme	Name, Gender (M / F), Complete Address of Investigator/ Insititute	Cost (Rs.in Lakh)	Duration (in Months)
4071	UV-Guided study of blue stragglers stars in open clusters & galactic fields	ISRO-SSP	Vaidya,K., Dr. (F) Assistant Professor Birla Institute of Technology & Science (Pilani) Department of Physics, Vidya Vihar Pilani - 333 031 Rajasthan	17.74	36
4072	Centre for Excellence in Research & Development of Nanoelectronics Theranostic devices, IIT, Guwahati	MEITY-R&D	Chattopadhyay,A., Prof. (M) Indian Institute of Technology (Guwahati) Department of Chemistry & Centre for Nanotechnology Guwahati - 781 039 Assam	5105.00	90
4073	Indian Nanoelectronics Users Program (INUP) - Phase II, IIT, Bombay, IISc, Bangalore	MEITY-R&D	Naik,A., Prof. (M) Associate Professor Indian Institute of Science Centre for Nano Science & Engineering Bengaluru - 560 012 Karnataka	380.00	66
4074	Indian Nanoelectronics Users Program (INUP) - Phase II, IIT, Bombay, IISc, Bangalore	MEITY-R&D	Kottantharayil,A., Dr. (M) Associate Professor Indian Institute of Technology (Bombay) Department of Electrical Engineering, Powai Mumbai - 400 076 Maharashtra	159.00	66
4075	Nanoelectronics Network for research & application (NNetra)	MEITY-R&D	Bhattacharya,E., Dr. (F) Indian Institute of Technology (Madras) Department of Electrical Engineering Chennai - 600 036 Tamil Nadu	9800.33	60
4076	Three-dimensional nanostructure based miniaturized & flexible rechargeable lithium batteries for flexible electronics	MEITY-R&D	Kale,B.B., Dr. (M) Scientist G Centre for Materials for Electronics Technology (C-MET) Pune - 411 008 Maharashtra	454.10	48
Total Cost of 316 Projects Under: <b>Physical Sciences</b>				26,693.01	

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West Bengal	26, 43, 87, 88, 117, 128, 140, 150, 151, 159, 163, 174, 175, 188, 189, 205, 242, 255, 258, 271, 274, 277, 291, 295, 299, 302, 307, 316, 320, 331, 338, 339, 340, 341, 342, 346, 355, 367, 405, 416, 425, 437, 444, 448, 450, 451, 454, 459, 475, 480, 494, 497, 519, 529, 539, 547, 562, 566, 567, 604, 619, 622, 631, 633, 645, 659, 663, 666, 672, 676, 691, 694, 700, 708, 719, 739, 741, 747, 785, 789, 801, 802, 803, 804, 815, 818, 819, 824, 826, 833, 848, 850, 851, 865, 866, 876, 893, 897, 901, 905, 910, 912, 917, 920, 922, 926, 927, 933, 947, 953, 972, 986, 999, 1009, 1012, 1024, 1034, 1037, 1041, 1044, 1047, 1051, 1059, 1072, 1073, 1075, 1076, 1077, 1078, 1085, 1091, 1092, 1103, 1112, 1114, 1116, 1132, 1136, 1142, 1183, 1188, 1195, 1197, 1201, 1211, 1224, 1233, 1234, 1258, 1269, 1278, 1279, 1294, 1310, 1311, 1316, 1338, 1345, 1351, 1353, 1356, 1369, 1371, 1381, 1403, 1434, 1447, 1492, 1510, 1529, 1546, 1555, 1557, 1567, 1575, 1583, 1587, 1591, 1596, 1604, 1620, 1627, 1656, 1663, 1672, 1676, 1700, 1701, 1705, 1709, 1730, 1797, 1800, 1826, 1841, 1867, 1873, 1924, 1926, 1951, 1980, 2001, 2014, 2030, 2035, 2037, 2048, 2049, 2050, 2056, 2065, 2076, 2077, 2093, 2103, 2106, 2157, 2168, 2175, 2181, 2186, 2196, 2209, 2211, 2242, 2245, 2248, 2265, 2269, 2273, 2284, 2297, 2300, 2318, 2329, 2330, 2344, 2358, 2374, 2404, 2405, 2426, 2428, 2433, 2479, 2510, 2512, 2524, 2528, 2567, 2569, 2580, 2582, 2599, 2600, 2628, 2642, 2644, 2651, 2661, 2694, 2719, 2720, 2725, 2729, 2730, 2751, 2752, 2760, 2768, 2771, 2788, 2807, 2809, 2816, 2830, 2837, 2852, 2885, 2886, 2890, 2895, 2899, 2914, 2919, 2922, 2940, 2959, 2962, 2969, 2973, 2977, 2988, 2995, 3003, 3009, 3016, 3022, 3023, 3034, 3042, 3073, 3088, 3097, 3105, 3115, 3120, 3125, 3132, 3136, 3140, 3147, 3153, 3169, 3173, 3175, 3189, 3195, 3199, 3227, 3230, 3236, 3265, 3274, 3296, 3298, 3304, 3306, 3307, 3322, 3323, 3333, 3337, 3340, 3388, 3401, 3440, 3445, 3469, 3498, 3509, 3514, 3518, 3528, 3530, 3532, 3540, 3551, 3570, 3572, 3581, 3592, 3596, 3599, 3609, 3632, 3692, 3739, 3741, 3749, 3759, 3766, 3776, 3789, 3795, 3813, 3818, 3823, 3826, 3851, 3854, 3862, 3869, 3870, 3876, 3878, 3884, 3899, 3911, 3914, 3923, 3927, 3928, 3938, 3943, 3954, 3955, 3960, 3967, 3968, 3988, 4005, 4023, 4040, 4043, 4046, 4050, 4064

<b>ADDRESS OF FUNDING AGENCIES</b>
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|----|---|----|--|
| 1  | All India Council for Technical Education (AICTE)<br>Nelson Mandela Marg,<br>New Delhi - 110070   | 12 | Ministry of AYUSH<br>AYUSH Bhawan, GPO Complex<br>B-Block, INA<br>New Delhi – 110023   |
| 2  | Council of Scientific and Industrial Research (CSIR)<br>CSIR Complex, Pusa<br>New Delhi - 110012  | 13 | Ministry of Electronics & Information Technology (MEITY)<br>Electronic Niketan, CGO Complex, Lodhi Road<br>New Delhi – 110003                                      |
| 3  | Defence Research & Development Organisation (DRDO)<br>Dte. of Extramural Research & Intellectual<br>Property Rights, DRDO Bhawan, Rajaji Marg<br>New Delhi – 110011 | 14 | Ministry of Earth Sciences (MoES)<br>Prithvi Bhavan, Opposite India Habitat Centre, Lodhi<br>Road, New Delhi - 110 003   |
| 4  | Department of Atomic Energy (DAE)<br>B.R.N.S. Secretariat,<br>B.A.R.C.<br>Mumbai – 400085   | 15 | Ministry of Environment, Forests & Climate Change<br>(MOEFCC)<br>Satellite Division, Prithvi Bhavan, Jorbagh<br>New Delhi – 110003                                 |
| 5  | Department of Bio-Technology (DBT)<br>Ministry of Science and Technology<br>Block 2, CGO Complex, Lodhi Road<br>New Delhi – 110003                                  | 16 | Ministry of New & Renewable Energy (MNRE),<br>Block – 14, CGO Complex, Lodhi Road<br>New Delhi – 110003  |
| 6  | Department of Coal (DOC)<br>Central Mine Planning and Design Institute Ltd.<br>Gondwana Place, Konde Road<br>Ranchi – 834008  | 17 | Ministry of Power (MOP)<br>Central Power Research Institute<br>Prof. Sir C.V. Raman Road<br>Sadashivanagar, Sub Post Office, P.B. No 8066<br>Bangalore – 560080    |
| 7  | Department of Science and Technology (DST)<br>Technology Bhawan, New Mehrauli Road<br>New Delhi – 110 016   | 18 | Steel Authority of India (SAIL)<br>R&D Centre for Iron & Steel<br>Ranchi - 834002  |
| 8  | Department of Scientific & Industrial Research (DSIR)<br>Technology Bhawan, New Mehrauli Road<br>New Delhi – 110016   | 19 | Ministry of Jal Shakti (MOJS)<br>River Development & Ganga Rejuvenation<br>R&D Division, Wing No. 4, 1st Floor, West Block No. 1<br>R.K. Puram, New Delhi - 110066 |
| 9  | Indian Council of Agricultural Research (ICAR)<br>Krishi Anusandhan Bhawan-II, Pusa<br>New Delhi – 110012   | 20 | University Grants Commission (UGC)<br>Bahadur Shah Zafar Marg<br>New Delhi – 110002  |
| 10 | Indian Council of Medical Research (ICMR)<br>Ansari Nagar, Post Box 4911<br>New Delhi – 110029  |    |  |
| 11 | Indian Space Research Organisation (ISRO)<br>Department of Space, ISRO Headquarters<br>Antariksh Bhawan, New Bel Road<br>Bangalore – 560094                         |    |  |

# **INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
1	A.D. Patel Institute of Technology	1	16.31	725
2	Abasaheb Marathe Arts & New Commerce Science College	1	29.68	607
3	Academy of Maritime Education & Training Univrsity (AMET)	6	150.12	244
4	Acharya & B.M. Reddy College of Pharmacy	1	8.24	782
5	Acharya Nagarjuna University	1	41.23	489
6	Agartala Government Medical College	2	425.18	99
7	Agharkar Research Institute	5	581.68	68
8	Agricultural Sciences University	8	252.31	172
9	Ahmedabad University	3	80.65	341
10	Al Shifa College of Pharmacy	1	3.65	827
11	Alagappa University	4	90.07	320
12	Aligarh Muslim University	8	165.58	227
13	All India Institute of Medical Sciences	78	8353.75	5
14	All India Institute of Speech & Hearing	1	23.73	670
15	Allahabad University	3	85.60	330
16	Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy	1	4.37	824
17	AMET University	1	26.55	646
18	Amity Institute of Biotechnology	1	316.50	131
19	Amity Institute of Psychology & Allied Science	1	29.75	605
20	Amity University	21	899.20	44
21	Amrita School of Engineering	3	88.48	325
22	Amrita Vishwa Vidyapeetham	10	316.29	132
23	Anand International College of Engineering	1	7.30	792
24	Ananda Mohan College	1	42.21	482
25	Anandaram Dhekial Phookan College	1	72.54	363
26	Andhra University	4	81.27	338
27	Andhra University College of Engineering	1	8.00	784
28	Anna University	19	531.42	78
29	Annamalai University	3	89.94	322
30	Anthem Biosciences Private Limited	1	759.51	52
31	Anugrah Narayan College	1	14.88	733
32	Anurag University	1	10.00	768
33	Aravind Medical Research Foundation	1	51.37	440
34	Arunachal Pradesh State Council for Science & Technology	1	45.39	469
35	Arya Vidyapeeth College	1	6.60	804
36	Aryabhatta Knowledge University	1	36.90	526
37	Aryabhatta Research Institute of Observational Sciences	2	41.36	487
38	Ashoka University	3	139.05	254
39	Asian Healthcare Foundation	1	61.64	397
40	Assam Agricultural University	5	612.42	66
41	Assam Don Bosco University	2	53.73	425
42	Assam Medical College & Hospital	2	75.17	354
43	Assam University	8	592.68	67
44	Asutosh College	1	23.90	666
45	Atal Bihari Vajpayee-Indian Institute of Information Technology & Management	3	58.05	411
46	Aurora's P.G. College	1	10.00	770
47	B.K. Birla College of Arts, Science & Commerce	1	28.54	621
48	B.M.L. Munjal University	1	6.60	799
49	B.S. Abdur Rahman Institute of Science & Technology	1	12.48	747
50	B.S. Abdur Rahman University	1	4.39	822
51	Baba Ghulam Shah Badshah Univrsity	3	102.38	292
52	Babasaheb Bhimrao Ambedkar University	5	172.62	223
53	Babu Banarasi Das Northern India Institute of Technology	1	11.18	757
54	Bai Jerbai Wadia Hospital for Children	1	37.27	522
55	Balaji Utthan Sansthan	1	183.19	215
56	Balurghat College	1	25.70	653
57	Banaras Hindu University	42	1661.54	23
58	Banasthali Vidyapeeth	4	156.08	238
59	Bangalore University	4	164.82	232
60	Bannari Amman Institute of Technology	3	156.93	237
61	Bengaluru Central University	1	21.76	684
62	Bennett University	3	207.75	197
63	Berhampur University	1	27.66	630
64	Bhabha Atomic Research Centre	2	66.10	383
65	Bharath University	1	31.39	582
66	Bharathiar University	6	154.63	240
67	Bharathidasan University	9	290.55	150
68	Bharati Vidyapeeth University	3	63.27	394
69	Bidhan Chandra Krishi Viswavidyalaya	1	28.35	622
70	Bidhannagar College	1	13.47	740
71	Bihar Agricultural University	2	70.88	370
72	Bio Resources Development Centre	2	550.84	75
73	Birbal Sahni Institute of Palaeosciences	4	98.01	302
74	Birla Institute of Management Technology	2	5.68	813

# **INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
75	Birla Institute of Scientific Research	2	71.35	367
76	Birla Institute of Technology & Science (Pilani)	66	2150.15	16
77	Birla Institute of Technology (Mesra)	10	293.63	147
78	Bodoland University	2	59.90	405
79	Bose Institute	15	507.44	85
80	Burdwan University	6	259.93	167
81	BVRIT Hyderabad College of Engineering for Women	2	66.51	380
82	C.M.P. Degree College	2	52.85	430
83	C.M.R. College of Engineering & Technology	1	298.58	143
84	C.M.R. Institute of Technology	2	70.93	369
85	C.M.R. Technical Campus	1	35.90	533
86	C.R. Rao Advance Institute of Mathematics, Statistics & Computer Science	1	99.51	297
87	Calcutta School of Tropical Medicine	1	26.91	640
88	Calcutta University	20	842.84	48
89	Calicut University	3	82.04	335
90	Cancer Institute (WIA)	1	55.96	417
91	Central Agricultural University	1	95.92	308
92	Central Institute of Plastics Engineering & Technology	3	97.74	305
93	Central Institute of Psychiatry	1	8.62	781
94	Central Manufacturing Technology Institute	4	210.96	194
95	Central Muga Eri Research & Training Institute	1	74.39	358
96	Central Silk Board	2	98.66	300
97	Central University of Haryana	2	105.53	288
98	Central University of Himachal Pradesh	2	45.66	466
99	Central University of Jammu	1	46.32	462
100	Central University of Jharkhand	3	104.87	289
101	Central University of Kerala	8	346.66	121
102	Central University of Punjab	3	80.70	340
103	Central University of Rajasthan	8	267.18	165
104	Central University of Tamil Nadu	7	305.55	138
105	Centre for Cellular & Molecular Platforms	1	10.35	765
106	Centre for Chronic Disease Control	1	6.60	803
107	Centre for Development of Advanced Computing (C-DAC)	5	2752.01	15
108	Centre for DNA Fingerprinting & Diagnostics	8	315.72	133
109	Centre for Environment Planning & Technology University	1	25.14	656
110	Centre for Materials for Electronics Technology (C-MET)	21	9971.05	4
111	Centre for Nano & Soft Matter Sciences	5	164.38	233
112	Centre for Social Development	1	26.94	639
113	Centre for Stem Cell Research	1	84.00	333
114	Centre for Water Resources Development & Management	1	42.22	481
115	Centre of Biomedical Research	1	51.67	438
116	Ch. Charan Singh University	4	152.64	243
117	Chaitanya Bharathi Institute of Technology	1	11.00	761
118	Chakhesang Women Welfare Society	1	52.81	431
119	Chalapathi Institute of Pharmaceutical Sciences	1	33.99	561
120	Chandigarh University	2	74.75	356
121	Charutar Arogya Mandal	1	27.68	629
122	Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya	2	56.74	415
123	Chennai Mathematical Institute	3	44.62	471
124	Chettinad Academy of Research & Education	2	30.01	602
125	Chitkara University	3	235.44	179
126	Chittaranjan National Cancer Institute	3	91.26	318
127	Christ College	1	19.58	712
128	Christ University	2	41.07	490
129	Christian Medical College	5	291.37	149
130	Cochin University of Science & Technology	9	1129.39	35
131	College of Agriculture	1	54.26	424
132	College of Engineering	2	58.91	409
133	College of Engineering & Technology (Bhubaneswar)	1	35.01	542
134	College of Horticulture	1	38.33	517
135	College of Technology & Engineering	1	43.20	477
136	College of Veterinary & Animal Sciences	1	70.99	368
137	College of Veterinary Sciences & Animal Husbandary	1	51.87	437
138	Community for Social Work	1	38.60	514
139	Cotton University	2	88.30	326
140	Council of Scientific & Industrial Research	1	37.23	523
141	Creative-Social, Educational & Economical Development Society	1	39.33	505
142	CSIR-Advanced Materials & Processes Research Institute	3	214.07	192
143	CSIR-Central Drug Research Institute	19	929.03	43
144	CSIR-Central Electrochemical Research Institute	14	797.35	50
145	CSIR-Central Electronics Engineering Research Institute	3	121.48	269
146	CSIR-Central Food Technological Research Institute	9	415.27	102
147	CSIR-Central Glass & Ceramic Research Institute	3	254.77	170
148	CSIR-Central Institute of Medicinal & Aromatic Plants	6	322.89	129

# **INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
149	CSIR-Central Institute of Mining & Fuel Research	3	78.95	347
150	CSIR-Central Leather Research Institute	6	257.94	168
151	CSIR-Central Mechanical Engineering Research Institute	15	667.47	61
152	CSIR-Central Salt & Marine Chemicals Research Institute	11	410.02	104
153	CSIR-Central Scientific Instruments Organization	12	319.02	130
154	CSIR-Centre for Cellular & Molecular Biology	7	293.70	146
155	CSIR-Fourth Paradigm Institute	2	34.92	547
156	CSIR-Indian Institute of Chemical Biology	16	844.70	47
157	CSIR-Indian Institute of Chemical Technology	14	1241.88	32
158	CSIR-Indian Institute of Integrative Medicine	2	77.03	352
159	CSIR-Indian Institute of Petroleum	4	199.91	205
160	CSIR-Indian Institute of Toxicology Research	1	11.67	753
161	CSIR-Institute of Genomics & Integrative Biology	4	780.22	51
162	CSIR-Institute of Himalayan Bioresource Technology	3	93.60	313
163	CSIR-Institute of Microbial Technology	8	476.45	92
164	CSIR-Institute of Minerals & Materials Technology	9	313.68	136
165	CSIR-National Aerospace Laboratories	6	1106.24	37
166	CSIR-National Botanical Research Institute	7	204.84	202
167	CSIR-National Chemical Laboratory	18	642.97	64
168	CSIR-National Environmental Engineering Research Institute	3	102.99	291
169	CSIR-National Geophysical Research Institute	10	527.42	80
170	CSIR-National Institute for Interdisciplinary Science & Technology	14	444.50	94
171	CSIR-National Institute of Oceanography	7	219.04	188
172	CSIR-National Institute of Science, Communication & Information Resources	1	22.35	679
173	CSIR-National Metallurgical Laboratory	3	89.80	323
174	CSIR-National Physical Laboratory	4	1860.23	19
175	CSIR-North East Institute of Science & Technology	9	497.30	87
176	D.A.V. University	2	29.52	612
177	D.I.T. University	1	21.58	687
178	D.Y. Patil College of Engineering	1	14.25	735
179	D.Y. Patil Education Society	2	45.61	468
180	Daliyon Ka Dagriya (DKD)	1	39.11	509
181	Dayalbagh Educational Institute	1	54.34	423
182	Dayanand Anglo-Vedic(P.G.) College	1	28.83	617
183	Dayanand Medical College & Hospital	1	65.40	387
184	Dayananda Sagar College of Engineering	1	16.61	721
185	Dayananda Sagar University	4	129.25	259
186	Deenbandhu Chhotu Ram University of Science & Technology	2	40.16	497
187	Deendayal Research Institute	1	48.22	452
188	Deendayal Upadhyay Gorakhpur University	1	31.66	577
189	Defence Institute of Advanced Technology	1	37.10	525
190	Defence Metallurgical Research Laboratory (DMRL)	1	33.36	564
191	Delhi Institute of Tool Engineering	1	34.40	554
192	Delhi Technological University	2	38.94	512
193	Delhi University	36	1429.03	28
194	Dera Natung Government College	1	6.82	794
195	Deva Matha College	1	39.77	499
196	Devi Ahilya Vishwavidyalaya	2	38.50	515
197	Dhirubhai Ambani Institute of Information Communication Technology	9	211.96	193
198	Dhruba Chand Halder College	1	6.60	800
199	Dibrugarh University	3	106.22	287
200	Dinabandhu Andrews College	1	21.30	691
201	Directorate of Floricultural Research	1	47.13	458
202	Don Bosco College of Engineering & Technology	2	13.55	739
203	Dr. A.P.J. Abdul Kalam Technical University	1	39.25	506
204	Dr. Ambedkar Institute of Technology	1	10.00	773
205	Dr. B.R. Ambedkar Centre for Biomedical Research	2	120.74	270
206	Dr. B.R. Ambedkar National Institute of Technology	7	119.39	272
207	Dr. Babasaheb Ambedkar Marathwada University	4	199.20	206
208	Dr. Hari Singh Gour Central University	3	91.05	319
209	Dr. M.G.R. Educational & Research Institute	1	27.64	631
210	Dr. M.G.R. Fisheries College & Research Institute	1	41.86	485
211	Dr. Mahalingam College of Engineering & Technology	1	20.04	704
212	Dr. Panjabrao Deshmukh Krishi Vidyapeeth	1	85.34	331
213	Dr. Rajendra Prasad Central Agriculture University	1	30.93	588
214	Dr. Reddy Institute of Life Sciences	4	270.65	163
215	Durbar Mahila Samanwaya Committee	1	63.92	393
216	Environmental Planning & Coordination Organization	1	281.26	156
217	Er. Perumal Manimekalai College of Engineering	1	53.09	429
218	Fakhruddin Ali Ahmad Medical College	2	39.23	507
219	Fergusson College	1	31.44	581
220	Forest College & Research Institute	1	30.54	591
221	Forest Research Institute	1	21.97	682
222	Francis Xavier Engineering College	1	97.56	306

### INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
223	G.B. Pant Institute of Medical Research & Education	1	48.60	446
224	G.M.R. Institute of Technology	1	159.55	235
225	G.S.S.S. Institute of Engineering & Technology for Women	1	9.69	777
226	Gandhigram Rural University	3	34.94	546
227	Gauhati Medical College & Hospital	2	269.00	164
228	Gauhati University	5	455.21	93
229	Gauhati University Institute of Science & Technology	1	100.49	295
230	Gautam Buddha University	3	91.42	316
231	Gayatri Vidya Parishad College of Engineering	4	119.02	273
232	Girijana Vikas Swatchanda Seva Samstha	1	49.67	442
233	GITAM University	8	247.90	175
234	GLA University	2	192.24	210
235	Global Innovation & Technology Alliance	1	165.00	230
236	Goa University	4	110.27	280
237	Goalpara College	1	48.17	453
238	Gokaraju Rangaraju Institute of Engineering & Technology	1	10.00	774
239	Gokhale Education Society's H.P.T. Arts & R.Y.K. Science College	1	28.99	616
240	Government College	1	4.38	823
241	Government College for Women	1	6.50	810
242	Government College of Engineering	2	61.39	399
243	Government Girls General Degree College	1	6.38	811
244	Government Institute of Science	1	21.99	681
245	Government Medical College	2	64.95	389
246	Government Post Graduate College	1	35.25	538
247	Government Serchhip College	1	33.26	566
248	Government V.Y.T.P.G. College	2	30.46	592
249	Government Women Engineering College (Ajmer)	1	20.49	700
250	Gramodaya Sangh	1	34.39	555
251	Gujarat Ecology Society	1	20.75	696
252	Gujarat Energy Research & Management Institute	1	38.14	519
253	Gujarat Institute of Desert Ecology	1	21.32	690
254	Gujarat University	3	79.80	344
255	Gujarat Vidyapith	2	19.65	709
256	Guru Angad Dev Veterinary & Animal Science University	1	34.34	556
257	Guru Ghasidas University	3	66.41	382
258	Guru Govind Singh Indraprastha University	5	147.97	246
259	Guru Jambheshwar University of Science & Technology	2	53.35	427
260	Guru Nanak College of Pharmacy	1	29.15	615
261	Guru Nanak Dev Engineering College	2	37.21	524
262	Guru Nanak Dev University	12	440.13	97
263	Haldia Institute of Technology	3	126.57	261
264	Handique Girls College	1	6.60	797
265	Harish-Chandra Research Institute	2	152.92	241
266	Hemwati Nandan Bahuguna Garhwal University	1	206.34	200
267	Heritage Institute of Technology	1	31.57	579
268	Hill Area Development Society	1	42.89	478
269	Himachal Pradesh University	1	10.20	766
270	Himalayan Environmental Studies & Conservation Organisation	2	314.61	134
271	Himalayan Organization for Protecting Environment	1	38.48	516
272	Hindustan College of Science & Technology	1	31.82	576
273	Hindustan Institute of Technology & Science	2	99.32	299
274	Horticultural College & Research Institute	1	6.60	805
275	Hyderabad University	38	1405.67	29
276	I.K. Gujral Punjab Technical University	2	58.92	408
277	I.S.F. College of Pharmacy	2	47.19	457
278	ICAR-Central Citrus Research Institute	2	78.53	348
279	ICAR-Central Coastal Agricultural Research Institute	1	41.30	488
280	ICAR-Central Inland Fisheries Research Institute	1	288.79	152
281	ICAR-Central Institute for Cotton Research	1	52.06	433
282	ICAR-Central Institute for Fisheries Education	1	35.09	540
283	ICAR-Central Institute for Research on Goats	1	73.06	361
284	ICAR-Central Institute of Agricultural Engineering	1	36.18	531
285	ICAR-Central Institute of Freshwater Aquaculture	1	34.84	549
286	ICAR-Central Institute of Sub-Tropical Horticulture	2	64.48	391
287	ICAR-Central Marine Fisheries Research Institute	2	106.51	286
288	ICAR-Central Sheep & Wool Research Institute	1	32.38	573
289	ICAR-Central Soil Salinity Research Institute	3	176.80	219
290	ICAR-Directorate of Coldwater Fisheries Research	1	81.74	336
291	ICAR-Directorate of Medicinal & Aromatic Plants Research	1	81.23	339
292	ICAR-Directorate of Mushroom Research	2	221.32	186
293	ICAR-Indian Agricultural Research Institute	24	990.22	41
294	ICAR-Indian Institute of Agricultural Biotechnology	2	101.17	294
295	ICAR-Indian Institute of Horticultural Research	1	21.84	683
296	ICAR-Indian Institute of Maize Research	1	39.64	501



# **INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
297	ICAR-Indian Institute of Oil Palm Research	1	25.90	651
298	ICAR-Indian Institute of Pulses Research	1	35.08	541
299	ICAR-Indian Institute of Soil & Water Conservation	1	20.00	706
300	ICAR-Indian Institute of Soil Science	1	7.60	790
301	ICAR-Indian Institute of Sugarcane Research	1	30.35	594
302	ICAR-Indian Institute of Water Management	1	20.68	698
303	ICAR-Indian Institute of Wheat & Barley Research	1	34.01	560
304	ICAR-Indian Veterinary Research Institute	5	253.65	171
305	ICAR-National Bureau of Agricultural Insects Resources	2	64.68	390
306	ICAR-National Bureau of Agriculturally Important Microorganisms	1	29.68	608
307	ICAR-National Bureau of Fish Genetic Resources	1	64.00	392
308	ICAR-National Bureau of Plant Genetic Resources	3	185.58	213
309	ICAR-National Dairy Research Institute	1	34.94	545
310	ICAR-National Institute for Plant Biotechnology	3	115.78	274
311	ICAR-National Institute of Animal Nutrition & Physiology	2	48.94	444
312	ICAR-National Institute of Veterinary Epidemiology & Disease Information	1	48.59	447
313	ICAR-National Organic Farming Research Institute	1	20.05	703
314	ICAR-National Research Centre for Banana	5	226.20	183
315	ICAR-National Research Centre for Grapes	1	37.94	520
316	ICAR-National Research Centre on Equines	1	41.01	491
317	ICAR-National Research Centre on Plant Biotechnology	1	37.63	521
318	ICAR-National Rice Research Institute	1	79.70	345
319	ICAR-Research Complex for NEH Region	6	357.89	117
320	ICAR-Sugarcane Breeding Institute	3	139.37	252
321	ICMR-National Aids Research Institute	3	205.80	201
322	ICMR-National Institute for Implementation Research in Non-Communicable Di	1	26.76	643
323	ICMR-National Institute for Research in Environmental Health	1	28.21	624
324	ICMR-National Institute for Research in Reproductive Health	8	339.00	124
325	ICMR-National Institute for Research in Tuberculosis	3	88.83	324
326	ICMR-National Institute of Cholera & Enteric Diseases	2	109.68	281
327	ICMR-National Institute of Epidemiology	2	929.33	42
328	ICMR-National Institute of Malaria Research	5	201.27	204
329	ICMR-National Institute of Medical Statistics	2	108.46	284
330	ICMR-National Institute of Nutrition	1	79.84	343
331	ICMR-National Institute of Pathology	1	59.54	407
332	ICMR-National Institute of Virology	5	165.78	226
333	ICMR-National Jalma Institute for Leprosy & other Mycobacterial Diseases	2	69.80	371
334	ICMR-Regional Medical Research Centre	4	202.85	203
335	Indian Association for the Cultivation of Science	19	680.00	60
336	Indian Council of Medical Research	1	14.44	734
337	Indian Institute of Advanced Research	1	31.56	580
338	Indian Institute of Astrophysics	4	40.36	495
339	Indian Institute of Engineering Science & Technology	11	334.68	125
340	Indian Institute of Information Technology	6	165.40	228
341	Indian Institute of Information Technology & Management	2	29.20	614
342	Indian Institute of Information Technology, Design & Manufacturing	12	304.81	139
343	Indian Institute of Management (Calcutta)	1	29.76	604
344	Indian Institute of Science	124	10043.17	3
345	Indian Institute of Science Education & Research (Berhampur)	8	327.24	127
346	Indian Institute of Science Education & Research (Bhopal)	38	1445.98	27
347	Indian Institute of Science Education & Research (Kolkata)	32	1599.52	25
348	Indian Institute of Science Education & Research (Mohali)	16	1603.16	24
349	Indian Institute of Science Education & Research (Pune)	39	4750.81	12
350	Indian Institute of Science Education & Research (Thiruvananthapuram)	20	1994.06	17
351	Indian Institute of Science Education & Research (Tirupati)	12	509.00	83
352	Indian Institute of Space Science & Technology	4	109.29	282
353	Indian Institute of Technology (Bhilai)	7	189.84	211
354	Indian Institute of Technology (BHU)	31	4105.85	13
355	Indian Institute of Technology (Bhubaneswar)	23	830.06	49
356	Indian Institute of Technology (Bombay)	151	17127.76	2
357	Indian Institute of Technology (Delhi)	104	5511.87	9
358	Indian Institute of Technology (Dhanbad)	27	1489.12	26
359	Indian Institute of Technology (Dharwad)	10	297.25	144
360	Indian Institute of Technology (Gandhinagar)	22	645.69	62
361	Indian Institute of Technology (Goa)	7	234.64	180
362	Indian Institute of Technology (Guwahati)	57	7471.48	6
363	Indian Institute of Technology (Hyderabad)	28	1178.83	33
364	Indian Institute of Technology (Indore)	34	863.55	45
365	Indian Institute of Technology (Jammu)	15	276.07	160
366	Indian Institute of Technology (Jodhpur)	26	1956.81	18
367	Indian Institute of Technology (Kanpur)	85	5137.89	10
368	Indian Institute of Technology (Kharagpur)	100	4819.56	11
369	Indian Institute of Technology (Madras)	121	18758.92	1
370	Indian Institute of Technology (Mandi)	20	577.18	69

# **INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
371	Indian Institute of Technology (Palakkad)	20	538.32	77
372	Indian Institute of Technology (Patna)	18	550.38	76
373	Indian Institute of Technology (Roorkee)	75	4033.45	14
374	Indian Institute of Technology (Ropar)	31	1119.48	36
375	Indian Institute of Technology (Tirupati)	20	565.82	70
376	Indian Institute of Tropical Meteorology	1	24.94	659
377	Indian National Science Academy	1	2.48	832
378	Indian National Trust for Art & Cultural Heritag	1	28.79	618
379	Indian Spinal Injuries Centre	1	45.62	467
380	Indian Statistical Institute	14	277.61	158
381	Indira Gandhi Medical College & Hospital	1	125.52	265
382	Indira Gandhi National Open University	1	20.81	695
383	Indira Gandhi National Tribal University	6	556.94	73
384	Indo-French Centre for the Promotion of Advanced Research	3	348.16	120
385	Indo-US Science & Technology Forum	2	388.72	108
386	Indraprastha Institute of Information Technology	4	124.27	266
387	Institute for Plasma Research	1	29.81	603
388	Institute for Stem Cell Biology & Regenerative Medicine	6	1054.14	38
389	Institute of Advanced Study in Science & Technology	6	1729.81	21
390	Institute of Aeronautical Engineering	1	160.10	234
391	Institute of Bioinformatics & Applied Biotechnology	1	51.89	436
392	Institute of Bioresources & Sustainable Development	2	639.23	65
393	Institute of Chemical Technology	12	368.05	112
394	Institute of Engineering & Management	1	16.00	726
395	Institute of Engineering & Science	1	5.88	812
396	Institute of Forest Genetics & Tree Breeding	1	34.96	543
397	Institute of Green Energy & Geospatial Technology	1	46.43	460
398	Institute of Infrastructure Technology Research & Management	1	6.60	798
399	Institute of Life Sciences	3	144.08	250
400	Institute of Liver & Biliary Sciences	4	291.87	148
401	Institute of Management & Information Science	1	9.50	778
402	Institute of Mathematical Sciences	2	11.06	759
403	Institute of Nano Science & Technology	8	358.75	116
404	Institute of Nuclear Medicine & Allied Sciences	1	104.75	290
405	Institute of P.G. Medical Education & Research & S.S.K.M. Hospital	1	51.39	439
406	Institute of Physics	3	30.63	590
407	Institute of Seismological Research	1	19.82	707
408	Institute of Technical Education & Research	1	41.91	484
409	Integral University	1	29.70	606
410	Inter University Centre for Astronomy & Astrophysics	1	994.44	40
411	Inter University Centre for Biomedical Research & Super Speciality Hospital	1	36.49	529
412	Interactive Research School for Health Affairs	2	97.86	304
413	International Advanced Research Centre for Powder Metallurgy & New Materia	3	113.76	277
414	International Centre for Genetic Engineering & Biotechnology	5	551.19	74
415	International Centre for Theoretical Sciences	6	35.91	532
416	International Crops Research Institute for the Semi-Arid Tropics	5	208.05	196
417	International Institute of Information Technology	8	177.81	218
418	International Management Institute	2	13.00	742
419	Invertis University	1	27.25	635
420	J.I.S. College of Engineering	1	8.00	786
421	J.I.S. University	2	85.08	332
422	J.S.S. College of Pharmacy	5	99.44	298
423	J.S.S. Medical College	1	28.03	626
424	J.S.S. University	1	22.89	675
425	Jadavpur University	21	525.82	81
426	Jagannath Barooah College	1	35.36	536
427	Jai Narain Vyas University	1	32.18	574
428	Jain University	6	245.50	177
429	Jamia Hamdard	2	61.33	401
430	Jamia Millia Islamia	12	484.88	88
431	Jammu University	5	174.64	221
432	Janakpuri Super Speciality Hospital	1	2.94	830
433	Jawaharlal Institute of P.G. Medical Education & Research	5	183.18	216
434	Jawaharlal Nehru Centre for Advanced Scientific Research	19	1385.23	30
435	Jawaharlal Nehru Technological University	4	140.82	251
436	Jawaharlal Nehru Tropical Botanic Garden & Research Institute	1	26.75	644
437	Jawaharlal Nehru University	30	1779.96	20
438	JECRC University	1	275.27	161
439	Jiwaji University	1	28.24	623
440	JNTUA College of Engineering	2	8.96	780
441	JNTUH College of Engineering	1	12.39	748
442	JNTUH Institute of Science & Technology	1	10.00	772
443	Jorhat Engineering College	1	20.47	701
444	Jubilee Mission Medical College & Research Institute	1	26.84	641

# **INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
445	Jyothy Institute of Technology	3	65.85	384
446	K.C.G. College of Technology	1	21.58	686
447	K.G. College of Arts & Science	1	20.69	697
448	K.L. University	4	135.63	256
449	K.L.E. College of Engineering & Technology	1	24.62	662
450	K.L.E. College of Pharmacy	1	16.47	723
451	K.L.E. Technological University	1	5.65	814
452	K.L.N. College of Engineering	2	91.36	317
453	K.L.S. Gogte Institute of Technology	1	15.72	729
454	K.M.C.H. College of Pharmacy	1	2.92	831
455	Kakatiya Institute of Technology & Science (KITS)	1	40.43	494
456	Kakatiya University	2	13.10	741
457	Kalasalingam Academy of Research & Education	6	314.47	135
458	Kalinga Institute of Industrial Technology University	5	276.31	159
459	Kalinga Institute of Social Sciences	1	41.47	486
460	Kalyani University	7	238.68	178
461	Kamaraj College of Engineering & Technology	2	30.14	598
462	Kamdhenu University	1	67.07	378
463	Kannur University	2	43.64	476
464	Karnatak University	1	18.50	717
465	Karnataka State Council for Science & Technology	1	125.80	263
466	Karnataka Veterinary Animal & Fisheries Sciences University	1	53.27	428
467	Karpagam University	2	95.60	310
468	Kashmir University	12	1138.31	34
469	Kasturba Medical College & Hospital	2	67.65	376
470	Kazi Nazrul University	1	6.96	793
471	Kaziranga University	2	42.00	483
472	KCES' Jalasri Watershed Surveillance & Research Institute	1	12.24	750
473	Kerala Forest Research Institute	1	26.68	645
474	Kerala State Council for Science, Technology & Environment	1	125.80	264
475	Kerala University	1	6.60	808
476	Kerala University of Fisheries & Ocean Studies	1	25.06	658
477	Kerala Veterinary & Animal Science University	1	28.57	620
478	Khadagdhar Gramin Vikas Sansthan	1	30.30	595
479	Khallikote University	1	30.40	593
480	KIIT Technology Business Incubator	1	66.44	381
481	King George's Medical University	5	177.84	217
482	KKR & KSR Institute of Technology & Sciences	1	8.00	785
483	Kohima Science College	1	43.72	475
484	Kongu Engineering College	1	35.32	537
485	Krantiguru Shyamji Krishna Verma Kachchh University	1	30.13	599
486	Krishi Vigyan Kendra	2	67.58	377
487	Kumaun University	3	222.86	185
488	Kundan Welfare Society	1	59.98	404
489	L.N.M. Institute of Information Technology	1	23.84	667
490	L.V. Prasad Eye Institute	3	1276.31	31
491	Lady Hardinge Medical College & Associated Hospitals	1	4.00	825
492	Lakireddy Bali Reddy College of Engineering	1	22.81	678
493	Lendi Institute of Engineering & Technology	1	15.62	730
494	Lovely Professional University	4	65.19	388
495	Lucknow University	3	80.25	342
496	Lyallpur Khalsa College	1	31.10	586
497	M.I.T. World Peace University	1	15.14	732
498	M.L.R. Institute of Technology	1	285.20	155
499	M.S. Ramaiah Institute of Technology	2	32.89	568
500	M.S. Ramaiah University of Applied Sciences	2	78.28	349
501	M.V.J. College of Engineering	2	17.56	719
502	Madan Mohan Malaviya University of Technology	1	289.50	151
503	Madanapalle Institute of Technology & Science	2	30.08	600
504	Madras Diabetes Research Foundation	2	334.31	126
505	Madras University	9	255.12	169
506	Madras Veterinary College	1	24.54	663
507	Madurai Kamaraj University	8	176.76	220
508	Magadh University	1	11.11	758
509	Maharaja Sayajirao University of Baroda	12	361.38	115
510	Maharaja Surajmal Institute of Technology	1	4.52	820
511	Maharana Pratap University of Agriculture & Technology	1	5.61	815
512	Maharashtra Institute of Technology	1	49.86	441
513	Maharshi Dayanand University	3	27.00	638
514	Mahatma Gandhi Central University	1	45.84	465
515	Mahatma Gandhi Government Arts College	1	25.19	655
516	Mahindra University	3	72.03	365
517	Malaviya National Institute of Technology (Jaipur)	10	279.40	157
518	Mangalore University	2	83.47	334

# **INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
519	Manipal College of Health Professions	1	28.09	625
520	Manipal College of Nursing	1	34.40	553
521	Manipal College of Pharmaceutical Sciences	1	21.00	693
522	Manipal Institute of Regenerative Medicine	1	29.61	609
523	Manipal Institute of Technology	1	12.28	749
524	Manipal University	19	483.09	90
525	Manipur Science & Technology Council	1	164.90	231
526	Manipur Technical University	1	47.87	456
527	Manipur University	2	57.66	412
528	Manonmaniam Sundaranar University	2	46.11	463
529	Mar Ephraem College of Engineering & Technology	1	72.34	364
530	Marathwada Institute of Technology	1	20.56	699
531	Maulana Abul Kalam Azad University of Technology	2	166.97	225
532	Maulana Azad Medical College	1	34.86	548
533	Maulana Azad National Institute of Technology (Bhopal)	3	69.13	372
534	Maulana Azad National Urdu University	2	52.05	434
535	Max Super Speciality Hospital	1	36.22	530
536	Mazumdar Shaw Medical Foundation	1	38.97	511
537	Medicinal Plants Conservation Centre & Trust	1	26.78	642
538	Medicity Institute of Medical Science	1	43.89	474
539	Mepco Schlenk Engineering College	1	22.88	676
540	Mewar University	1	6.60	795
541	Midnapore City College	1	34.95	544
542	Mizoram University	8	643.76	63
543	Modern College	1	48.09	455
544	Mohanlal Sukhadia University	3	86.40	329
545	Motilal Nehru National Institute of Technology	5	221.07	187
546	Mumbai University	3	107.07	285
547	Muthayammal College of Arts & Science	1	40.47	492
548	Muthoot Institute of Technology & Science	1	13.85	737
549	Mysore University	2	39.43	503
550	N.B. Institute for Rural Technology	1	74.68	357
551	N.S.S. College (Pandalam)	1	25.74	652
552	N.S.S. College of Engineering	1	55.92	418
553	N.T.R. College of Veterinary Science	1	31.93	575
554	Nagaland Science & Technology Council	1	68.01	375
555	Nagaland University	2	119.46	271
556	Nandha Engineering College	1	5.45	817
557	Nansen Environmental Research Centre (India)	1	16.44	724
558	Narayana Superspeciality Hospitals	1	9.80	775
559	Narsee Monjee Institute of Management Studies	4	100.05	296
560	Narula Institute of Technology	1	8.00	787
561	National Agri-Food Biotechnology Institute	5	199.19	207
562	National Atlas & Thematic Mapping Organisation (NATMO)	1	77.01	353
563	National Brain Research Centre	2	145.16	248
564	National Centre for Biological Sciences	5	247.36	176
565	National Centre for Cell Sciences	7	391.89	105
566	National College	1	34.05	559
567	National Innovation Foundation-India	1	10.45	764
568	National Institute for Research in Environmental Health	1	31.05	587
569	National Institute for Research in Tuberculosis	1	31.65	578
570	National Institute of Advanced Studies	2	52.48	432
571	National Institute of Animal Biotechnology	4	173.56	222
572	National Institute of Electronics & Information Technology	1	307.34	137
573	National Institute of Foundry and Forge Technology	1	42.40	480
574	National Institute of Hydrology	1	23.20	672
575	National Institute of Immunohaematology	2	33.25	567
576	National Institute of Immunology	3	148.52	245
577	National Institute of Industrial Engineering	1	137.08	255
578	National Institute of Mental Health & Neuro Sciences	9	422.63	101
579	National Institute of Ocean Technology	1	39.03	510
580	National Institute of Pharmaceutical Education & Research	6	481.14	91
581	National Institute of Plant Genome Research	9	299.60	142
582	National Institute of Science & Technology	2	48.33	451
583	National Institute of Science Education & Research	10	248.31	174
584	National Institute of Solar Energy	2	6118.00	8
585	National Institute of Technology (Agartala)	1	55.19	421
586	National Institute of Technology (Andhra Pradesh)	7	206.47	199
587	National Institute of Technology (Arunachal Pradesh)	4	77.07	351
588	National Institute of Technology (Calicut)	13	323.10	128
589	National Institute of Technology (Delhi)	3	29.51	613
590	National Institute of Technology (Durgapur)	15	424.26	100
591	National Institute of Technology (Goa)	4	165.12	229
592	National Institute of Technology (Jalandhar)	2	10.86	763

# **INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
593	National Institute of Technology (Jamshedpur)	4	98.04	301
594	National Institute of Technology (Karnataka)	12	294.74	145
595	National Institute of Technology (Kurukshetra)	3	95.11	311
596	National Institute of Technology (Meghalaya)	8	184.84	214
597	National Institute of Technology (Nagaland)	2	46.42	461
598	National Institute of Technology (Patna)	5	95.66	309
599	National Institute of Technology (Puducherry)	1	6.60	802
600	National Institute of Technology (Raipur)	7	155.66	239
601	National Institute of Technology (Rourkela)	27	705.23	57
602	National Institute of Technology (Silchar)	9	391.25	106
603	National Institute of Technology (Srinagar)	2	73.87	359
604	National Institute of Technology (Tiruchirapalli)	18	564.12	71
605	National Institute of Technology (Uttarakhand)	1	30.02	601
606	National Institute of Technology (Warangal)	11	378.87	110
607	National Institute of Tuberculosis & Respiratory Diseases	3	62.37	395
608	National Institute of Virology	2	68.73	373
609	National Institute of Wind Energy	3	6406.82	7
610	Navrachana University	2	55.08	422
611	Netaji Nagar College For Women	1	30.28	596
612	Netaji Subhas Chandra Bose Cancer Hospital	1	27.21	637
613	Netaji Subhas Institute of Technology	1	35.17	539
614	Netaji Subhas University of Technology	2	48.50	449
615	New Delhi Institute of Management	1	8.00	788
616	Nirma University	2	39.51	502
617	Nitte University	1	45.32	470
618	Nitite Mahalinga Aadyanthaya Memorial Institute of Technology	1	12.94	743
619	Noida Institute of Engineering & Technology	1	15.29	731
620	Nootan Pharmacy College	1	13.73	738
621	North Bengal University	11	367.93	113
622	North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences	2	146.62	247
623	North Eastern Regional Institute of Sciences & Technology	4	139.31	253
624	North Orissa University	1	39.78	498
625	North-Eastern Hill University	3	207.34	198
626	Odisha University of Agriculture & Technology	2	10.00	769
627	Osmania University	9	261.87	166
628	P.D. Hinduja National Hospital & Medical Research Centre	1	32.49	570
629	P.D.A. College of Engineering	1	3.17	828
630	P.S.G. College of Arts & Science	1	21.49	688
631	P.S.G. College of Pharmacy	1	10.00	771
632	P.S.G. College of Technology	7	208.45	195
633	P.S.G. Institute of Advanced Studies	4	216.36	189
634	P.S.G. Institute of Technology & Applied Research	1	5.61	816
635	P.S.G.R. Krishnammal College for Women	2	55.22	420
636	P.S.R.Engineering College	1	7.53	791
637	Paavai Engineering College	1	35.53	535
638	Pachhunga University College	5	193.41	209
639	Padmabhooshan Vasantdada Patil Institute of Technology	1	25.24	654
640	Pandit Deendayal Petroleum University	4	168.55	224
641	Panjab University	14	440.58	96
642	Periyar E.V.R. Government Arts College	1	7.75	789
643	Periyar University	2	57.33	413
644	Physical Reserch Laboratory	1	10.20	767
645	Pillai College of Engineering	1	27.80	627
646	Pondicherry Engineering College	1	5.00	819
647	Pondicherry University	16	758.06	53
648	Poona College of Pharmacy	1	32.49	571
649	Poomaprajna Institute of Scientific Research	1	6.60	807
650	Postgraduate Institute of Medical Education & Research	20	693.25	59
651	Presidency College	4	133.48	257
652	Presidency University	19	557.01	72
653	Prin. L. N. Welingkar Institute of Management Development & Research	3	22.00	680
654	Providence Women's College	1	24.86	660
655	Pt. Dwarka Prasad Mishra Indian Institute of Information Technology Design &	1	4.50	821
656	Pt. Ravishankar Shukla University	1	27.25	636
657	Public Health Foundation of India	1	21.01	692
658	Pune University	1	65.80	385
659	Punjab Agricultural University	11	484.26	89
660	Punjab Engineering College University of Technology	1	62.26	396
661	Punjabi University	2	58.24	410
662	Pushpa Gujral Science City	1	59.62	406
663	Q.I.S. College of Engineering & Technology	1	12.80	744
664	R.M.K. College of Engineering & Technology	1	26.19	649
665	R.M.K. Engineering College	2	31.21	583
666	R.V. College of Engineering	2	26.38	648

# **INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
667	Rain Forest Research Institute	1	19.62	711
668	Raja Narendra Lal Khan Womens College	1	34.82	550
669	Raja Peary Mohan College	1	56.23	416
670	Rajagiri College of Social Sciences	2	51.92	435
671	Rajalakshmi Engineering College	7	288.40	153
672	Rajiv Gandhi Centre for Biotechnology	4	251.17	173
673	Rajiv Gandhi Institute of Petroleum Technology	3	32.70	569
674	Rajiv Gandhi Prodyogiki Vishwavidyalaya	1	31.11	585
675	Rajiv Gandhi University	1	29.59	610
676	Ram Krishna Dharmarth Foundation University	1	81.50	337
677	Rama Devi Women's University	2	72.82	362
678	Ramakrishna Mission Residential College	1	34.78	551
679	Ramakrishna Mission Vivekananda Centenary College	2	21.38	689
680	Ramakrishna Mission Vivekananda Educational & Research Institute	1	6.60	801
681	Raman Research Institute	3	113.39	278
682	Ramco Institute of Technology	1	15.75	728
683	Ramniranjan Jhunjhunwala College	1	17.90	718
684	Rani Lakshmi Bai Central Agricultural University	1	40.43	493
685	Rashtrasant Tukadoji Maharaj Nagpur University	2	61.35	400
686	Ravenshaw University	2	23.80	668
687	Regional Centre for Biotechnology	9	372.39	111
688	Regional Institute of Medical Sciences	1	9.15	779
689	Reva University	2	55.52	419
690	Rubber Research Institute of India	1	24.16	665
691	Rural Mahila Welfare Society	1	34.19	557
692	S.D.M. College of Engineering & Technology	1	6.60	796
693	S.G.T.B. Khalsa College	1	79.64	346
694	S.N. Bose National Centre for Basic Sciences	6	364.85	114
695	S.R. Engineering College	1	31.19	584
696	S.R.M. Easwari Engineering College	1	16.49	722
697	S.R.M. Institute of Science & Technology	12	302.83	140
698	S.R.M. University	14	440.59	95
699	S.V. College of Engineering & Technology	1	27.76	628
700	S.V. Institute of Medical Sciences	1	24.81	661
701	Sacred Heart College	1	40.27	496
702	Saha Institute of Nuclear Physics	2	113.04	279
703	Salim Ali Centre for Ornithology & Natural History	3	121.95	268
704	Sambalpur University	2	44.45	472
705	Sanjay Gandhi P.G. Institute of Medical Sciences	11	507.52	84
706	Sankara Nethralaya	1	16.00	727
707	Sant Longowal Institute of Engineering & Technology	1	11.35	756
708	Sardar Patel Renewable Energy Research Institute	4	389.50	107
709	Sardar Vallabhbhai National Institute of Technology	5	126.40	262
710	SASTRA University	18	518.85	82
711	Sathyabama University	11	214.10	191
712	Saurashtra University	1	33.73	562
713	Saveetha Institute of Medical & Technical Sciences	3	133.03	258
714	Savitribai Phule Pune University	23	696.43	58
715	School of Planning & Architecture	2	19.71	708
716	Sharda University	1	49.23	443
717	Sher-E-Kashmir University of Agriculture Sciences & Technology (Jammu)	2	90.04	321
718	Sher-E-Kashmir University of Agriculture Sciences & Technology (Kargil)	1	38.77	513
719	Sher-E-Kashmir University of Agriculture Sciences & Technology (Srinagar)	8	414.64	103
720	Sher-I-Kashmir Institute of Medical Sciences	2	230.18	181
721	Shiv Nadar University	5	114.95	276
722	Shivaji University	1	32.45	572
723	Shree Dhanvantary Pharmacy College	1	11.00	760
724	Shree S.K. Patel College of Pharmaceutical Education & Research	1	11.45	754
725	Shri A.M.M. Murugappa Chettiar Research Centre	1	42.52	479
726	Shri Govindram Seksarai Institute of Technology & Science	3	60.32	402
727	Shri Guru Ram Rai Institute of Medical & Health Sciences	1	27.55	633
728	Shri Mata Vaishno Devi University	2	20.00	705
729	Shri Shankaracharya Institute of Professional Management & Technology	1	27.59	632
730	Shri Vishnu College of Pharmacy	1	21.75	685
731	Shri Vishnu Engineering College for Women	2	300.79	141
732	Siddaganga Institute of Technology	2	91.72	315
733	Siddha Regional Research Institute	1	68.24	374
734	Sikkim University	5	858.73	46
735	Siksha O Anusandhan University	5	187.41	212
736	Socio Cultural Development Centre	1	34.46	552
737	Sona College of Technology	1	61.54	398
738	Sophia College for Women	1	36.82	527
739	South Asian University	3	46.04	464
740	Sree Chitra Tirunal Institute for Medical Sciences & Technology	7	707.35	56

**INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
741	Sree Kerala Varma College	1	38.17	518
742	Sri Balaji Vidyapeeth	1	5.38	818
743	Sri Jayadeva Institute of Cardiovascular Sciences & Research	1	9.79	776
744	Sri Krishna College of Engineering & Technology	1	60.21	403
745	Sri Krishna College of Technology	1	39.64	500
746	Sri Narayani Hospital & Research Centre	1	48.86	445
747	Sri Ramachandra Institute of Higher Educaion & Research	1	30.15	597
748	Sri Ramakrishna Engineering College	1	12.00	751
749	Sri Ramakrishna Institute of Technology	2	14.00	736
750	Sri Sai Ram Engineering College	1	8.16	783
751	Sri Shakthi Institution of Engineering & Technology	1	6.50	809
752	Sri Sivasubramaniya Nadar College of Engineering	5	287.60	154
753	Sri Sri Institute of Advanced Research	1	39.43	504
754	Sri Vasavi College	1	17.06	720
755	Sri Vasavi Engineering College	2	108.58	283
756	Sri Venkateswara College	1	10.95	762
757	Sri Venkateswara College of Engineering	2	34.11	558
758	Sri Venkateswara University	1	12.60	746
759	Srimaharshi Research Institute of Vedic Technology	1	46.87	459
760	St. Anthony's College	2	87.78	327
761	St. Edmund's College	1	43.91	473
762	St. John's Medical College & Hospital	2	115.64	275
763	St. John's Research Institute	3	123.75	267
764	St. Joseph College of Engineering	1	28.76	619
765	St. Peter's Institute of Higher Education and Research	1	48.53	448
766	St. Teresa's College	1	19.25	715
767	St. Xavier's College	1	19.63	710
768	State Council of Science, Technology & Environment	2	742.33	54
769	State Remote Sensing Application Centre	1	127.05	260
770	Suresh Gyan Vihar University	1	23.79	669
771	SVKM's Narsee Monjee Institute of Management Studies	1	30.83	589
772	Symbiosis International University	1	22.87	677
773	Tamil Nadu Agricultural University	6	198.32	208
774	Tamil Nadu Veterinary & Animal Sciences University	1	65.48	386
775	Tata Institute of Fundamental Research	15	1720.20	22
776	Tata Memorial Centre	4	214.96	190
777	Techno India University	1	19.34	714
778	Technology Development Board	1	500.00	86
779	Teri School of Advanced Studies	1	24.33	664
780	Tezpur University	16	1021.31	39
781	Thakur College of Engineering & Technology	1	11.45	755
782	Thapar Institute of Engineering & Technology	13	226.69	182
783	The Energy & Resources Institute	3	345.14	122
784	The South India Textile Research Association (SITRA)	1	33.33	565
785	The University of Trans-Disciplinary Health Sciences & Technology	1	74.81	355
786	Thiagarajar College of Engineering	3	66.68	379
787	Thiruvalluvar University	2	35.61	534
788	Translational Health Science & Technology Institute	6	354.39	119
789	Tripura State Council for Science & Technology	2	152.78	242
790	Tripura University	4	223.78	184
791	Tropical Forest Research Institute	1	12.77	745
792	Tuljaram Chaturchand College of Arts, Science & Commerce	1	27.38	634
793	U.K.A. Tarsadia University	1	26.11	650
794	UGC-DAE Consortium for Scientific Research	1	56.92	414
795	UM-DAE Centre for Excellence in Basic Sciences	2	92.38	314
796	University College of Engineering	1	12.00	752
797	University College of Engineering & Technology (Bikaner)	1	6.60	806
798	University of Petroleum & Energy Studies	1	18.81	716
799	University of Science & Technology	1	23.02	673
800	Utkal University	1	29.53	611
801	Utkalika Samiti Atbilipada	1	36.72	528
802	V.R. Siddhartha Engineering College	1	23.44	671
803	Veer Bahadur Singh Purvanchal University	1	53.61	426
804	Veer Narmad South Gujarat University	1	20.40	702
805	Veer Surendra Sai University of Technology	2	71.88	366
806	Veermata Jijabai Technological Institute	3	528.67	79
807	Vel Tech Dr. Rangarajan & Dr. Sagunthala Technical University	1	23.01	674
808	Velalar College of Engineering & Technology	1	3.75	826
809	Velammal College of Engineering & Technology	4	144.30	249
810	Velammal Engineering College	1	26.53	647
811	Velammal Institute of Technology	1	19.43	713
812	Vellore Institute of Technology University	24	719.76	55
813	Vels University	2	159.21	236
814	Veterinary College & Research Institute	1	25.11	657

**INSTITUTE-WISE NUMBER OF PROJECTS AND TOTAL APPROVED COST (2019-20)**

S. No.	Institute	Total Number of Projects	Total Approved Cost (Rs. Lakh)	Order*
815	Vidyasagar University	3	87.65	328
816	Vignan's Foundation for Science, Technology & Research	3	97.97	303
817	Vigyan Prasar	1	39.16	508
818	Vinoba Bhave University	1	3.10	829
819	Vishnu Institute of Pharmaceutical Education & Research	1	77.86	350
820	Vishwakarma Institute of Technology	3	48.36	450
821	Vision Research Foundation	1	48.10	454
822	Visva Bharati University	5	101.92	293
823	Visvesvaraya National Institute of Technology (Nagpur)	11	274.39	162
824	Visvesvaraya Technological University	1	33.73	563
825	Vivekananda College	1	20.87	694
826	Wadia Institute of Himalayan Geology	2	73.10	360
827	West Bengal State University	4	383.68	109
828	Wildlife Institute of India	5	356.64	118
829	World Renewal Spiritual Trust	1	342.49	123
830	Yenepoya University	1	429.19	98
831	Yogi Vermana University	2	94.24	312
832	Zoological Survey of India	3	97.10	307
	Individual Scientists & Others	18	133.03	
<b>Grand Total</b>		<b>4076</b>	<b>252941.14</b>	

Note \* Order is based on total approved cost



<b>STATE-WISE SUPPORT TO EXTRAMURAL R&amp;D PROJECTS DURING 2019-20</b>
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(Rs. Lakh)

No.	State/UT	No. of Projects	Total Approved Cost
1	Andhra Pradesh	107	3606.62
2	Arunachal Pradesh	13	459.42
3	Assam	149	14341.65
4	Bihar	33	1089.23
5	Chandigarh	53	1893.12
6	Chhattisgarh	24	568.17
7	Delhi	377	25646.35
8	Goa	40	1295.81
9	Gujarat	101	3162.02
10	Haryana	48	8329.20
11	Himachal Pradesh	32	1159.06
12	Jammu & Kashmir	57	2749.83
13	Jharkhand	52	2209.06
14	Karnataka	358	20861.78
15	Kerala	150	14057.41
16	Madhya Pradesh	117	4213.45
17	Maharashtra	381	33699.78
18	Manipur	11	1134.88
19	Meghalaya	26	2291.74
20	Mizoram	17	1022.60
21	Nagaland	7	330.42
22	Odisha	135	4536.11
23	Puducherry	25	1034.23
24	Punjab	136	5748.49
25	Rajasthan	96	4617.54
26	Sikkim	7	1186.12
27	Tamil Nadu	489	38117.03
28	Telangana	211	12776.01
29	Tripura	10	931.61
30	Uttar Pradesh	307	16883.86
31	Uttarakhand	109	5892.53
32	West Bengal	398	17096.01
<b>Grand Total</b>		<b>4076</b>	<b>252941.14</b>

**DISTRIBUTION OF TOP FIFTEEN INSTITUTIONS BY  
NUMBER OF PROJECTS DURING 2019-20**

S. No.	Institute	Total No. of Projects
1	Indian Institute of Technology (Bombay)	151
2	Indian Institute of Science	124
3	Indian Institute of Technology (Madras)	121
4	Indian Institute of Technology (Delhi)	104
5	Indian Institute of Technology (Kharagpur)	100
6	Indian Institute of Technology (Kanpur)	85
7	All India Institute of Medical Sciences	78
8	Indian Institute of Technology (Roorkee)	75
9	Birla Institute of Technology & Science (Pilani)	66
10	Indian Institute of Technology (Guwahati)	57
11	Banaras Hindu University	42
12	Indian Institute of Science Education & Research (Pune)	39
13	Hyderabad University	38
14	Indian Institute of Science Education & Research (Bhopal)	38
15	Delhi University	36
	<b>Total</b>	<b>1154</b>

**DISTRIBUTION OF TOP FIFTEEN INSTITUTIONS BY  
TOTAL APPROVED COST DURING 2019-20**

S. No.	Institute	Total No. of Projects
1	Indian Institute of Technology (Madras)	187.59
2	Indian Institute of Technology (Bombay)	171.28
3	Indian Institute of Science	100.43
4	Centre for Materials for Electronics Technology (C-MET)	99.71
5	All India Institute of Medical Sciences	83.54
6	Indian Institute of Technology (Guwahati)	74.72
7	National Institute of Wind Energy	64.07
8	National Institute of Solar Energy	61.18
9	Indian Institute of Technology (Delhi)	55.12
10	Indian Institute of Technology (Kanpur)	51.38
11	Indian Institute of Technology (Kharagpur)	48.20
12	Indian Institute of Science Education & Research (Pune)	47.51
13	Indian Institute of Technology (BHU)	41.06
14	Indian Institute of Technology (Roorkee)	40.33
15	Centre for Development of Advanced Computing (C-DAC)	27.52
	<b>Total</b>	<b>1153.62</b>

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