

**List of Projects Sanctioned under Women Scientists Scheme-A (WOS-A)
During 2018-19**

Chemical Sciences (CS)

Sl. No.	Reference No. & Project Title	PIs Name & Address	Total Cost (in Rs.)
1.	SR/WOS-A/CS-75/2016 Lead compounds identification and characterization based on the natural plant aboutilon indicum towards anticancer activities-A practical & computational approach	Dr P. Uma Maheswari National Institute of Technology, Tiruchirappalli-620015, TN	2836000
2.	SR/WOS-A/CS-130/2016 Exploring and engineering the frontier energy levels of electron delocalized systems	Dr Pattath Damodaran Pancharatna Pondicherry University, Pondicherry-605014	2420000
3.	SR/WOS-A/CS-135/2016 Development of bench scale recyclability strategy or value-added utilization of spent sulphate solution: Industrial benefit	Ms Maheswata Moharna CSIR-Institute of Minerals & Materials Technology, Bhubaneswar-751013, Orissa	3170500
4.	SR/WOS-A/CS-8/2017 Grafting halogen bonding in peptidic foldamers for structural and functional applications	Ms P. Manasa Bangalore University, Bangalore-560056, Karnataka	2561000
5.	SR/WOS-A/CS-18/2017 Synthesis of novel molecules for specific cancer targeting	Dr. Amina Kausar Jawaharlal Nehru University, New Delhi-110067	2150000
6.	SR/WOS-A/CS-20/2017 New electrode materials for Potassium ion based energy storage technologies	Dr Nithya Chandrasekaran National Institute of Technology, Tiruchirappalli-620015, TN	2775000
7.	SR/WOS-A/CS-35/2017 Synthesis of mixed-ligand peroxo complexes of vanadium and tantalum and exploration of their biochemical properties	Ms Gangutri Saikia Tezpur University, Napaam, Tezpur-784028, Assam	2995000
8.	SR/WOS-A/CS-38/2017 Design, synthesis and SAR studies of heterocyclic analogue of gliflozine's as potent SGLT2 inhibitors.	Ms Prerna Ganwir Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai-400019, Maharashtra	3215000
9.	SR/WOS-A/CS-44/2017 AIE studies of newly designed anthracene-based coordination compounds and their applications	Dr Atasi Mukherjee Birla Institute of Technology & Science, Pilani, Hyderabad Campus, Hyderabad-500078, Telangana	3160500

10.	SR/WOS-A/CS-55/2017 Design and synthesis of self-assembled small nanomaterials for targeted delivery of biomolecules	Dr Smriti Rekha Deka CSIR-Institute of Genomics and Integrative Biology, Delhi-110007	3270000
11.	SR/WOS-A/CS-60/2017 Synthesis, characterization and photocatalytic studies of alkali/alkaline metal phosphates	Ms Uzma Baig Osmania University, Hyderabad-500007, Telangana	3270000
12.	SR/WOS-A/CS-67/2017 Assessment of sulfur centered halogen bonding (C-X...S, X = Cl, Br, I) interaction using matrix isolation infrared spectroscopy	Dr Amrita Chykraborty Birla Institute of Technology and Science, Pilani-333031, Rajasthan	1362000
13.	SR/WOS-A/CS-71/2017 Morphological variation in heteroatoms doped graphene oxide/TiO ₂ with mixed metal oxide catalysts for the production of hydrogen from photocatalytic water splitting	Ms Nithya Thangavel SRM Institute of Science & Technology, SRM Nagar, Kattankulathur, Chennai-603203, TN	1908000
14.	SR/WOS-A/CS-73/2017 Nanostructured Sn and layered MoS ₂ based nanocomposites for high-capacity sodium-ion batteries	Ms. Ujjwala Prakash Chothe Centre for Materials for Electronics Technology (C-MET) , Panchwati, Dr. Homi Bhabha Road, Pune-411008, Maharashtra	3086000
15.	SR/WOS-A/CS-77/2017 Peptide conjugated lipid nanoparticles : synthesis, radiolabeling and biological evaluation as receptor mediated prostate tumor imaging theranostic radiopharmaceuticals	Dr Kakali De Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, WB	1446000
16.	SR/WOS-A/CS-78/2017 Synthesis of double perovskite materials for solar cell application	Ms. Vijaya Subbiah National Institute of Technology, Tiruchirappalli-620015, TN	2863500
17.	SR/WOS-A/CS-86/2017 Syntheses of podophyllotoxin and related analogues as potential anticancer agents through microtubule and/or DNA topoisomerase inhibition	Ms. Ankita Srivastava Central Institute of Medicinal & Aromatic Plants, Lucknow-226015, UP	2632500
18.	SR/WOS-A/CS-88/2017 Macrocyclic furans – a route to diverse cyclic oligophenylenes	Dr Sunita Khanderao Gadakh Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pashan, Pune-411008, Maharashtra	3094500

19.	SR/WOS-A/CS-99/2017 Total synthesis of (S)-esmolol, (S)-melphalan, (R,R)-(+)-retalin and its derivatives	Ms Pushpalata Dilip Pawar Savitribai Phule Pune University, Pune-411007, Maharashtra	3259500
20.	SR/WOS-A/CS-101/2017 Synthesis, characterization and anticancer evaluation of coumarin based acrylic linked hydroxamic acid/ amide derivatives	Ms Sharba Tasneem Jamia Hamdard, Hamdard Nagar, New Delhi-110062	2445500
21.	SR/WOS-A/CS-103/2017 Label-free tracking of antibiotics across dual-membrane envelope of live gram-negative bacteria using second-harmonic light scattering technique	Dr Anindita Gayen Indian Institute of Technology Kanpur, Kanpur-208016, UP	1750000
22.	SR/WOS-A/CS-108/2017 Development of new strategies to access the 3,4-fused indoles: Application to the synthesis of 3,4-fused indole alkaloids and their derivatives	Dr Lakshmi Y Prapurna Indian Institute of Chemical Technology, Hyderabad-500007, Telangana	3105500
23.	SR/WOS-A/CS-110/2017 Solid phase synthesis of oligo Arabinofuranosides	Dr Madhuri Vangala Indian Institute of Education and Research, Pune-411008, Maharashtra	1895000
24.	SR/WOS-A/CS-116/2017 Synthesis and evaluation of novel diaryl/hetero aryl pyrrole Mannich bases as potent anti-depressant agents	Ms Anjani Umarani Wunnava Andhra University, Visakhapatnam-530003, AP	3215000
25.	SR/WOS-A/CS-120/2017 ZIF based membranes for olefin/paraffin separation	Dr Jayshri A Thote National Chemical Laboratory, Pune-411008, Maharashtra	1869000
26.	SR/WOS-A/CS-128/2017 Role of donor and acceptors in molecular switches and random access memory: Combined ab initio and many-body study	Dr Anusooya Yadthare Pati Indian Institute of Science, Bangalore-560012, Karnataka	1710000
27.	SR/WOS-A/CS-140/2017 Development of organic-inorganic hybrid nano composites mediated by plant resources as anti-diabetic agent	Dr Indranirekha Saikia Gauhati University, Guwahati-781014, Assam	2995000
28.	SR/WOS-A/CS-141/2017 Luminescent molecular organic liquids for large area lighting applications	Dr Rashmi Aswathama Nayak National Chemical Laboratory, Dr. Homi Bhabha Road, Pune-411008, Maharashtra	3215500

29.	SR/WOS-A/CS-143/2017 An ordered M-Crystallin and an intrinsically disordered Hahellin of -crystallin family provide mechanistic insights into the conformational transition linked to cataract and polypeptide cleavage	Dr Sunita Patel University of Mumbai, Mumbai-40098, Maharashtra	2141000
30.	SR/WOS-A/CS-144/2017 Performance enhancing strategies for micro-particle based silk fibroin 3D scaffolds for bone tissue engineering	Ms. Nimisha Anant Parekh National Chemical Laboratory, Pune-411008, Maharashtra	1570000
31.	SR/WOS-A/CS-145/2017 Synthesis of heterocyclic molecules using vinyl azides as handy synthons	Dr Lyakat Fatima Indian Institute of Chemical Technology, Hyderabad-500007, Telangana	2139000
32.	SR/WOS-A/CS-6/2018 Metal free ionic liquid mediated one pot synthesis of 3-hydroxy-3H-spiro[benzo[b]thiophene-2,1'-cyclopentan]-2'-one/medicinally important benzo[b]thiophene moiety using inexpensive starting materials	Dr Poonguzhali Elamvazhuthi Indian Institute of Technology Madras, Chennai- 600036, TN	2810000
33.	SR/WOS-A/CS-7/2018 Fourier transform infrared spectroscopy as non-destructive and rapid method for residual emerging contaminants in treated water	Dr.Manju Gupta St. Aloysius College, Jablapur-482001, M.P	2040000
34.	SR/WOS-A/CS-9/2018 Design, synthesis and applications of coumarin containing helical molecules	Dr. Rina Soni The MS University of Baroda, Vadodara-390002, Gujarat	2139000
35.	SR/WOS-A/CS-10/2018 Development of composite films for applications in PEC H2O splitting and removal of dyes from water	Ms. Sangeeta Ghosh Indian Institute of Engineering Science & Technology (IEST), Howrah-711103, WB	1821000
36.	SR/WOS-A/CS-16/2018 Deciphering the physico-chemical determinants of formation of stable liposomes of Mycobacterial free lipids and their interactions with host membrane lipids for biotechnological applications	Dr. Ruchika Dadhich Indian Institute of Technology Bombay, Powai, Mumbai- 400076, Maharashtra	2140000

37.	SR/WOS-A/CS-20/2018 Capturing volatile organic compounds by room temperature ionic liquids: a molecular perspective	Dr. Sandipa Indra Institute of Technology Patna, Bihta, Patna-801106, Bihar	2440000
38.	SR/WOS-A/CS-21/2018 Near-infrared induced photodynamic therapy and bioimaging by white light emitting upconversion nanomaterials	Ms. Preeti Verma National Institute of Technology Rourkela, Rourkela-769008, Odisha	2720000
39.	SR/WOS-A/CS-25/2018 Identification and evaluation of anti-quorum sensing agents from medicinal plants against pseudomonas aeruginosa	Ms. M. Jeevitha Avinashilingam Institute for Home science and Higher Education for Women, Coimbatore-641043, TN	3215000
40.	SR/WOS-A/CS-27/2018 Nickel-catalyzed carboxylation of ortho-funtionalized alkynylarenes with carbon dioxide	Dr. T. Selvi Bharathidasan University, Tiruchirappalli-620024, TN	3270500
41.	SR/WOS-A/CS-30/2018 Oxo-metallic complexes anchored mesoporous silica: Potential UV-Visible light harvesting materials for photocatalytic reactions as well as for bio-inspired catalytic hydrogenation	Dr. Parimala Sowmianarayanan Indian Institute of Technology Madras, Chennai, Tamil Nadu – 600036, TN	1644000
42.	SR/WOS-A/CS-36/2018 Valorisation of bioactive phytochemicals from underutilized tea plant parts and sustainable development of nutraceuticals/ formulations	Ms. Ranjana Sharma CSIR-Institute of Himalayan Bioresource Technology, Palampur-176061, Himachal Pradesh	3215000
43.	SR/WOS-A/CS-40/2018 Design and fabrication of dye sensitized solar cells with exceeding 15% efficiency: experimental and theoretical approach	Dr. Veeralakshmi Selvakumar Anna University, Chennai, Chennai-600025, TN	1644000
44.	SR/WOS-A/CS-41/2018 Synthesis and self-assembly of novel nicotinic acid gemini amphiphiles: a potential candidate for drug delivery	Dr. Aparna Roy Vidyasagar University, Midnapore-721102, WB	3105000
45.	SR/WOS-A/CS-52/2018 Seeing diabetes by an unaided eye based on enzyme mimetic activity of 2D materials	Dr. Monika Srivastava Indian Institute of Technology, (BHU), Varanasi-221005, UP	3111000

46.	SR/WOS-A/CS-54/2018 Visible-light mediated synthetically important radical reactions of vinyl epoxides	Dr. Ruchi Chawla Motilal Nehru National Institute of Technology, Allahabad-211004, UP	3183000
47.	SR/WOS-A/CS-61/2018 Graphene Oxide nanostructures for inhibition of peptide aggregation associated with type-II diabetes	Dr. Prachi Joshi Jawaharlal Nehru University, New Delhi, Delhi-110067	2359000
48.	SR/WOS-A/CS-62/2018 Indol-2,3-dione-coumarin bifunctional hybrids as novel anti-microbial agents: design, synthesis, biological evaluation and computational studies.	Ms. Kavita Bhagat Guru Nanak Dev University, Amritsar-143001, Punjab	2194000
49.	SR/WOS-A/CS-64/2018 Building coarse-grained models to understand the conformational dynamics of membrane proteins	Dr. Lakshmi Prasanna Jayanthi National Centre for Biological Sciences, Tata Institute of Foundation Research, GKVK Campus, Bangalore-560065, Karnataka	3200500
50.	SR/WOS-A/CS-74/2018 Synthesis and characterization of nanomaterials for thermoelectric applications	Dr. Ved Vati Singh Indian Institute of Technology Delhi, New Delhi-110016, Delhi	1980000
51.	SR/WOS-A/CS-75/2018 Investigation of Nanostructured SERS Substrate for POPs detection in E-Waste recycling site	Ms Prachi Rajput CSIR-Central Scientific Instruments Organization, Chandigarh- 160030, Punjab	3199000
52.	SR/WOS-A/CS-94/2018 Modified graphene oxide for water splitting	Ms. Neeta Gurbani University of Kota, Kota-324005, Rajasthan	1820000
53.	SR/WOS-A/CS-99/2018 Theoretical investigation of prebiotically relevant molecules: Structural properties and formation mechanisms	Sarabjeet Kaur Punjab University, Chandigarh	3023000
54.	SR/WOS-A/CS-100/2018 Development of novel glitazones for PGC-1 alpha activation via PPAR – gamma: A new strategy for neuroprotection in Parkinson's disease	Ms P. Prabitha JSS College of Pharmacy SS Nagar, Bannimantap, Mysuru-570015, Karnataka	3143000

Earth and Atmospheric Sciences (EA)

Sl. No.	Reference No. & Project Title	PIs Name & Address	Total Cost (in Rs.)
1.	SR/WOS-A/EA-1/2017 Effect of mining generated atmospheric pollution on the survival of forest seedlings: A case study in Kendujhar, Odisha	Dr Richa Pandey Banaras Hindu University, Varanasi-221005, UP	3199000
2.	SR/WOS-A/EA-4/2017 Study of multi ions plasma with ultra low frequency wave phenomena around earth's magnetosphere	Dr Poornima Varma Dr H.S. Gour University, Sagar-470003, MP	3270500
3.	SR/WOS-A/EA-9/2017 Sedimentation pattern in a paleoproterozoic continental rift basin, Aravalli Supergroup of Udaipur Valley, Rajasthan	Ms. Amrita Mukherjee Techno India University, EM 4, Sector-V, Salt Lake, Kolkata- 700091 WB	1950000
4.	SR/WOS-A/EA-12/2017 Trace & rare earth element study of carbonatite, a new identification from N Puruliya, West Bengal	Dr Aditi Mandal University of Calcutta, 35, Ballygunge Circular Road, Kolkata-700019, WB	3123000
5.	SR/WOS-A/EA-20/2017 Assessing the trace gas amounts and analysis of their pathways over Indian region using various remote and in situ data sources for deriving climate action plans	Dr Anila Alex National Centre for Earth Sciences Studies (NCESS), Ministry of Earth Sciences, Govt. of India, Thiruvananthapuram-695011, Kerala	2370000
6.	SR/WOS-A/EA-21/2017 Biochemical and physiological response of phytoplankton to various environmental factors in the Kongsfjorden-Krossfjorden, an Arctic fjord system.	Dr. Jane Theophline Bhaskar National Centre for Antarctic & Ocean Research, Ministry of Earth Sciences, Govt. of India, Headland Sada, Vasco-Dao- Gama, Goa-403804	2205000
7.	SR/WOS-A/EA-22/2017 Study of anisotropy in weathering pattern of different rock types in Precambrian Metamorphics and its role in sustainable aquifer development model.	Ms Monalisa Mitra Hooghly Mohsin College, Chinsurah, Hooghly-712101, WB	2315000
8.	SR/WOS-A/EA-23/2017 Potential impact of climate change on tropical root crops yield in the major growing areas of India	Dr P Raji ICAR-Central Tuber Crops Research Institute, Sreekariyam, Thiruvananthapuram-695017, Kerala	2764500

9.	SR/WOS-A/EA-33/2017 Atmospheric deposition of N,P and Fe affecting primary productivity in Sundarban, NE coast of India	Dr Natasha Majumder University of Calcutta, Kolkata-700019, WB	2012500
10.	SR/WOS-A/EA-35/2017 Impact assessment of aerosol radiative forcing over North-East India and its association with Indian summer monsoon	Dr. Gayatri Kalita Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, Pashan, Pune-411008, Maharashtra	2029000
11.	SR/WOS-A/EA-41/2017 Zircon U-Pb ages and Hf isotopic systematics of granitoids in the north eastern part of the eastern Dharwar craton: constrains on Neoproterozoic orogeny and craton assembly.	Ms Namrata Chandrashekhar Khadke National Geophysical Research Institute, Hyderabad-500007, Telangana	3215000
12.	SR/WOS-A/EA-42/2017 Seismic imaging of crust/mantle structure across northern part of the eastern dharwar craton and east coast continental margin: possible geodynamic implications	Dr Chandrakala Koteswara National Geophysical Research Institute, Uppal Road, Hyderabad-500007, Telangana	2275000
13.	SR/WOS-A/EA-43/2017 Micro plastics in freshwater systems of Chennai: a review of the emerging threats, identification of knowledge gaps and prioritisation of research needs.	Dr. Kalpana Gopinath Anna University, Chennai-600025, TN	2370000
14.	SR/WOS-A/EA-3/2018 Reconstructions of rainfall and water isotope distributions in the tropical monsoon regions during the present and past interglacials with the aid of an atmospheric general circulation model.	Dr Thejna Tharammal Indian Institute of Science Bangalore, Bangalore-560012, Karnataka	1850000
15.	SR/WOS-A/EA-4/2018 Optical characterization of coral reef diversity for understanding the impact of changing environmental conditions	Dr Sumisha Velloth Centre for Marine Living Resources and Ecology, Cochin-682037, Kerala	2105000
16.	SR/WOS-A/ET-6/2018 Computer-Aided catalyst design, synthesis and validation for methanol production	Ms Pallavi Vanjari CSIR-Indian Institute of Chemical Technology, Uppal Road, Tarnaka, Hyderabad-500007, Telangana	2194000

<p>17.</p>	<p>SR/WOS-A/EA-7/2018 Petrology, geochemistry and isotope systematics of Mafic and associated rocks from Southern Bundelkhand craton, central india: insights into the geodynamic evolution</p>	<p>Ms Sikha Hiloidari CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad-500007, Telangana</p>	<p>3270000</p>
<p>18.</p>	<p>SR/WOS-A/EA-10/2018 AMS, microstructures, thermometry and chronology of Dalhousie Granite, western Himalaya, focusing on the granite emplacement and exhumation</p>	<p>Dr Kavitha Thripathi Jawaharlal Nehru University, New Delhi-10067</p>	<p>3200000</p>

Sl. No.	Reference No. & Project Title	PIs Name & Address	Total Cost (in Rs.)
1.	SR/WOS-A/ET-57/2016 Analysis, Design and control of Switched Reluctance Motor for nonlinear and industrial applications	Ms Anusha Kakaraparthi PACE Institute of Technology & Science, Near Vallurama Temple, Ongole-523274	3215500
2.	SR/WOS-A/ET-169/2016 Carbon based nano composite mixed matrix membranes for desalination	Ms Kavitha J R.V. College of Engineering, Mysuru Road, Bengaluru-560059	2410000
3.	SR/WOS-A/ET-176/2016 Performance evaluation of heat exchanger using modified twisted tape	Ms Kalpana Gupta Delhi Technological University, Shabad Daulatpur, Bawana Road, Delhi-110042	2940000
4.	SR/WOS-A/ET-5/2017 Analytical modeling and simulation of triple material surrounding gate (TMSG) TFET	Ms Usha Chennoji Dayananda College of Engineering, Shavige Malleswara Hills, Kumaraswamy Layout, Bangalore-560078, Karnataka	1974000
5.	SR/WOS-A/ET-15/2017 Bio inspired solar energy conversion by chlorophyll hydrogel nano-hybrid, juxtaposing chlorophyll exfoliated graphene as electrode material	Dr Jhimli Sarkar Manna Indian Institute of Technology Kharagpur, Kharagpur-721302, WB	2331500
6.	SR/WOS-A/ET-19/2017 Design and development of multisensory smart assistive technology for blind	Ms Pooja Madhur Nawandar Maharashtra Institute of Technology, Pune-411038, Maharashtra	3215500
7.	SR/WOS-A/ET-28/2017 Characterization and analysis of interaction networks	Ms Swati Goswami Indian Statistical Institute, 203, Barrackpore Trunk Road, Kolkata-700108, WB	3099000
8.	SR/WOS-A/ET-44/2017 Design and development of modular total joint prosthesis for temporo mandibular joint reconstruction in patients suffering with end stage tm disorders	Ms Mehak Sharma Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi-110006	2139000
9.	SR/WOS-A/ET-49/2017 Microfluidic based screening of low-dose dopaminergic combination therapy with an	Dr Mohana Marimuthu Alagappa University, Karaikudi-63004, TN	2830500

	Okra extract to minimize 'wearing off' effect of chronic Parkinson's disease treatment		
10.	SR/WOS-A/ET-52/2017 Brain-empowered dynamic spectrum management for cooperative cognitive radio networks	Ms Amandeep Kaur National Institute of Technology, Hamirpur-177005, Himachal Pradesh	3085000
11.	SR/WOS-A/ET-53/2017 Removal and recovery of uranium (VI) from low level wastewaters and subsequent disposal of spent biomass	Dr Monika Vyas Maulana Azad National Institute of Technology, (MANIT), Bhopal-462051, MP	2498000
12.	SR/WOS-A/ET-57/2017 Studies on disaster-resilient management and bi-directional multiband signal transmission using double-clad fibers in radio-over-fiber systems	Dr C T Manimegalai SRM Institute of Science and Technology, Potheri, Kattankulathur, Kanchipuram Dist.-603203, TN	2571000
13.	SR/WOS-A/ET-58/2017 A systems biology understanding of the adaptively evolved global transcription regulator crp mutant in e. coli and evaluating its fitness as a synthetic biology platform	Dr Sumana Srinivasan Indian Institute of Technology Bombay, Powai, Mumbai-400076, Maharashtra	2995500
14.	SR/WOS-A/ET-59/2017 Fractal metamaterial and its application to wearable antennas	Dr Kirti Kuntal Inamdar Sardar Vallabhbhai National Institute of Technology, SVNIT, Dumas Road, Surat-395007, Gujarat	2752000
15.	SR/WOS-A/ET-65/2017 Exploiting interference as a tool to enhance fault-tolerant features of WSNS	Ms Beneyaz Ara Begum CSIR-Indian Institute of Chemical Technology Hyderabad, Hyderabad-50007, Telangana	2836000
16.	SR/WOS-A/ET-69/2017 Design of brain stimulator and electrode glove for stroke rehabilitation	Ms Cassandra Dominica Solomons Vellore Institute of Technology (VIT), Vellore-632014, TN	2271000
17.	SR/WOS-A/ET-72/2017 VLSI design and implementation of optimized turbo channel coding system for advanced wireless communication systems	Ms Sujatha Elukuru Sree Vidyanikethan Engineering College, Sri Sainatha Nagar A. Rangampet, Tirupati-517102, AP	2590000
18.	SR/WOS-A/ET-77/2017	Dr Aatmeeyata Garg	3028500

	Bioreactor for simultaneous removal of fine particulate matter and volatile organic carbon from flue gas	Indian Institute of Technology Kanpur, Kanpur-208016, UP	
19.	SR/WOS-A/ET-85/2017 Monitoring and forecasting of coastal circulation using GPS/GSM technology and hydrodynamic modeling	Ms. Jaini Sara Babu Nansen Environmental Research Centre, 6A, Oxford Business Centre Sreekandath Road, Ravipuram, Cochin-682016	1597000
20.	SR/WOS-A/ET-87/2017 Design of a cost-effective multi-well plate for high throughput drug screening platform: study on combination therapy	Dr Ranjana Singh Indian Institute of Technology Hyderabad, Hyderabad-502285, Telangana	3215500
21.	SR/WOS-A/ET-89/2017 Treatment of ammoniacal nitrogen from industrial wastewater in a combined electrochemical and biological process	Ms. Nivedita Pani Pandit Deendayal Petroleum University, Gandhinagar-382007, Gujarat	3014420
22.	SR/WOS-A/ET-90/2017 Development of cellulose-lignin composite nanofiber from biodegradable waste for high strength textile application	Ms. Vishnu Prabha PSG College of Technology, Coimbatore- 641004, TN	3215500
23.	SR/WOS-A/ET-92/2017 Power generation and control of solar energy	Dr Anjali Garg The Northcap University, Sector-23A, Gurgaon- 122017, Haryana	2395000
24.	SR/WOS-A/ET-96/2017 Modeling large scale camera networks using distributed state transition system	Ms Lakshmi Mohan Amrita Vishwa Vidyapeetham, Amritapuri, Clappana P.O., Kollam- 690525, Kerala	2417000
25.	SR/WOS-A/ET-99/2017 Design of soft error robust low power sram for space applications	Ms A. Sugantha University College of Engineering, BIT Campus, Anna University Chennai, Tiruchirappalli-620024, TN	1727600
26.	SR/WOS-A/ET-103/2017 Developing seismic strengthening strategies for ancient South Indian Mandapas	Dr Tamali Bhowmik Indian Institute of Technology Madras, Chennai-600036, TN	3105000
27.	SR/WOS-A/ET-108/2017 Fabrication of a resorbable biomaterial for ocular wound	Ms. G Deebasuganya CSIR-Central Leather Research Institute (CLRI), Adyar, Chennai-600020,	2802000

	repair	TN	
28.	SR/WOS-A/ET-111/2017 Novel inhalable alveoli surface mediated temperature sensitive micro to nano dissociable particle system as an effective combinational therapy for pulmonary tuberculosis	Ms Priyanka Sharma Indian Institute of Technology, Hyderabad-502285, Telangana	1690000
29.	SR/WOS-A/ET-112/2017 Integration of data mining in biodiversity application to forest diversity	Ms. Moumita Ghosh Jadavpur University, Kolkata-700098, WB	2140000
30.	SR/WOS-A/ET-114/2017 Studies on the composition-property relationship of lithium disilicate glass-ceramics with different nucleating agents for dental applications	Ms Pameli Pal Government College of Engineering & Ceramic Technology, Kolkata-700010, WB	3294000
31.	SR/WOS-A/ET-117/2017 Development of nanostructured metal oxide semiconductor as photoanode for dye sensitized solar cell	Ms Sonia Siwatch Kurukshetra University, Kurukshetra-136119, Haryana	3105000
32.	SR/WOS-A/ET-118/2017 Studies on meta-material based compact antennas for mobile communications	Ms Srujana Vahini Nandigama University College Engineering, Osmania University, Hyderabad-500007, Telangana	2425000
33.	SR/WOS-A/ET-122/2017 Hybrid energy storage system consisting of li-ion batteries & ultracapacitors	Ms. Prajna Bhat Indian Institute of Science, Bangalore-560012, Karnataka	3105500
34.	SR/WOS-A/ET-127/2017 Development of a refractory high entropy alloy for high temperature structural application	Dr Madhusmita Behera Institute of Minerals and Material Technology, Bhubaneswar-751013, Odisha	2478500
35.	SR/WOS-A/ET-130/2017 Development of surface enhanced raman spectroscopy (SERS) based biosensing platform for detection of mycotoxins	Ms. Aditi Chopra CSIR-Central Scientific Instrument Organisation, Sector 30-C, Chandigarh, Chandigarh-160030	2483000
36.	SR/WOS-A/ET-133/2017 Optimal controller placement in software defined wide area networks	Ms Sagarika Mohanty National Institute of Technology, Rourkela	1424000

37.	SR/WOS-A/ET-139/2017 Bearings-only target tracking using hull mounted and towed array measurements	Ms Kausar Jahan K.L. University, Vaddeswaram Post, Guntur-522502, AP	1580000
38.	SR/WOS-A/ET-140/2017 Overcoming challenges to development of biotherapeutics through rational design of cell culture medium	Dr Rajinder Kaur Indian Institute of Technology Delhi	3160000
39.	SR/WOS-A/ET-143/2017 Investigation of advance Dual-gate MIS-HEMT for high power applications	Ms Preeti Singh University of Delhi South Campus, South Moti Bagh, New Delhi, Delhi - 110021	3166000
40.	SR/WOS-A/ET-146/2017 Preparation of feather keratin – Zinc sulphide (ZnS) nanocomposites material for water purification application	Dr. Aditi Banerjee Indian Institute of Technology Guwahati, Guwahati 781039, Assam	3270000
41.	SR/WOS-A/ET-151/2017 Performance enhancement in FPGA architecture by efficient design of logic blocks	Ms Sudhanya Pullanikkat Anna University, Chennai- 600025, TN	1920000
42.	SR/WOS-A/ET-152/2017 Investigation of geopolymers concrete using M Sand and Dredged Marine Sand (DMS) under ambient curing conditions	Ms M Indhumathi Thiagarajar College of Engineering, Madurai- 625015, TN	2758000
43.	SR/WOS-A/ET-153/2017 Deep learning based CAD system for lung cancer diagnosis	Ms Jenkin R Suji ABV-Indian Institute of Information Technology and Management, Gwalior- 474010, MP	1831000
44.	SR/WOS-A/ET-154/2017 Green earth: green energy aware radio technology for cognitive network with heterogeneity	Ms Akanksha Srivastava National Institute of Technology, Hamirpur- 177005, H.P	3177000
45.	SR/WOS-A/ET-162/2017 Automated coral coverage estimation system for conservation management	Ms B. Reshma ICAR- Central Marine Fisheries Research Institute (CMFRI), Kochi-680018, Kerala	2194000
46.	SR/WOS-A/ET-12/2018 Centrifuge model studies on stability enhancement of slopes subjected to heavy rainfall	Ms S. Meera Vasudevan Indian Institute of Technology Bombay, Powai, Mumbai-400076, Maharashtra	3133000
47.	SR/WOS-A/ET-16/2018	Ms Shalini Basetty	2963000

	Development of nitrilase enzyme based bioreactor in production of chiral intermediates for pharma industries	Indian Institute of Chemical Technology, Hyderabad-500007, Telangana	
48.	SR/WOS-A/ET-30/2018 Study of natural image statistics and its applications for quality assessment	Dr. Gitam Chandrahas Shikkenawis CR Rao AIMCS, Gachibowli, Hyderabad-500046, Telangana	3105500
49.	SR/WOS-A/ET-38/2018 Development of electro-caloric materials for efficient solid state refrigeration	Dr. Anshu University of Hyderabad, Hyderabad-500046, Telangana	3133000
50.	SR/WOS-A/ET-46/2018 MultiAnalyte electrochemical in vitro sensor array for clinical diagnosis of type of diabetes	Dr. Vini Singh University of Hyderabad, Hyderabad-500046, Telangana	3104400
51.	SR/WOS-A/ET-48/2018 Fabrication and performance evaluation of self- healing, long lasting porous speek polymer electrolyte membranes for low temperature fuel cells	Dr. Soma Banerjee Indian Institute of Technology Kanpur, Kanpur-208016, UP	3270500

Life Sciences (LS)

Sl. No.	Reference No. & Project Title	PIs Name & Address	Total Cost (in Rs.)
1.	SR/WOS-A/LS-661/2016 Effect of food processes on phytase activity and bioavailability of iron and zinc from developed wheat varieties	Dr Garima Srivastava Indian Institute of Technology Bombay, Powai, Mumbai-400076, Maharashtra	2312000
2.	SR/WOS-A/LS-673/2016 Transcriptome profiling of spermatozoa for development of biomarker for selection of fertile bucks	Dr. Sonia Saraswat ICAR-Central Institute for Research on Goats, Makhdoom PO Farah, Mathura-281122, UP	2150000
3.	SR/WOS-A/LS-691/2016 Design and development of intranasal formulations with extended release and improved bioavailability for neurological conditions	Ms Supriya Siddharth Kharkar Bombay College of Pharmacy, Kalina, Santacruz (E), Mumbai-400098	3001000
4.	SR/WOS-A/LS-700/2016 Enhanced extraction of ferulic acid from agricultural wastes and its biotransformation to vanillin	Dr. Abha Sharma Indian Institute of Agricultural Research Institute, Pusa, New Delhi-110012	3070000
5.	SR/WOS-A/LS-549/2016 Integrated 'Omics' approach for combating Fusarium wilt and sterility mosaic disease, two most dreaded diseases of pigeonpea (<i>Cajanus cajan</i>)	Dr. Lekha Thankappan Pazhamala International Crops Research, Institute for the Semi-Arid Tropics Hyderabad-502324,	2940000
6.	SR/WOS-A/LS-634/2016 Smart dressing based on collagen exhibiting antibacterial, anti-inflammatory, and anti collagenase activity	Dr R Sripriya Guru Nanak College, Chennai-600042,TN	2968000
7.	SR/WOS-A/LS-654/2016 Non HLA genes associated with allogeneic Hematopoietic Stem Cell Transplantation	Dr. Selma Zenia DSilva Tata Memorial Centre (Tata Memorial Hospital), Mumbai-400012, Maharashtra	2404000
8.	SR/WOS-A/LS-658/2016 Isolation, characterization, synthesis and genotoxic study of degraded products from anti-retrovirals	Ms Sonam Patel J.S.S. College of Pharmacy, Rockland's Ootamund-643001, TN	2698000
9.	SR/WOS-A/LS-11/2017 Role of PR proteins in cross-tolerance and cross-talk between the stress induced signalling pathways in	Dr Pooja Rawat Ganguly KIIT University, Bhubaneswar-751024, Odisha	2968000

	Vigna radiata		
10.	SR/WOS-A/LS-38/2017 Immunomodulatory molecular signatures in relation to semen fertility	Ms. Archana Santhanahalli Siddalingappa ICAR-National Institute of Animal Nutrition and Physiology, Bengaluru	3282000
11.	SR/WOS-A/LS-42/2017 Study on relationship between Gain-of-Function mutant p53 and stemness as an underlying cause for chemoresistance in ovarian carcinoma	Dr. Damayanti Das Ghosh Saroj Gupta Cancer Centre and Research Institute, Mahatma Gandhi Road, Thakurpukur, Kolkata-700063, WB	2885000
12.	SR/WOS-A/LS-47/2017 Development of osteoanabolic vehicle for orthopedic tissue regeneration	Dr. Baisakhee Saha Indian Institute of Technology Kharagpur, Kharagpur-721302, WB	2370000
13.	SR/WOS-A/LS-57/2017 Trophic role and relative diversity of free-living ciliates in the Sunderbans delta and Coastal waters of West Bengal	Ms Smruthu Mohan Zoological Survey of India, Prani Vigyan Bhavan, M Block, New Alipore, Kolkata-700053, WB	2179000
14.	SR/WOS-A/LS-58/2017 Deciphering the role of TPS1 and TPS2 in nutrient mediated pseudohyphal differentiation in Saccharomyces cerevisiae	Dr Revathi Iyer Indian Institute of Technology Bombay, Powai, Mumbai-400076, Maharashtra	3170000
15.	SR/WOS-A/LS-65/2017 Exploring cold active pectinases from bacteria of western himalayan regions for industrial applications	Ms Ritu Sharma CSIR-Institute of Himalayan Boresource Technology, Palampur-176061, HP	1913000
16.	SR/WOS-A/LS-66/2017 Study of bacterial endophytes in Lycopersicon esculentum and their potential for plant growth promotion and biocontrol of tomato diseases in Bhopal and its peripheral regions	Ms. Himani Chaturvedi Barkatullah University, Bhopal-462026, MP	1945000
17.	SR/WOS-A/LS-67/2017 Investigation of the anti-cancer properties of Mallotus roxburghianus	Dr Lalchhandami Tochwawng Mizoram Science, Technology & Innovation Council, Aizwal-796004, Mizoram	3005000
18.	SR/WOS-A/LS-71/2017 Transdermal-iontophoretic drug delivery: design and evaluation of some drugs	Ms. Suddala Shirisha Utkal University, Vani Vihar, Bhubaneswar-751004, Odisha	2478000
19.	SR/WOS-A/LS-72/2017 Gene expression in narikuravar alkpatonuria patients carrying a	Dr Suneetha Susan Cleave Cristian Medical College and Hospital, Vellore-632004, TN	2436000

	common splice variant		
20.	SR/WOS-A/LS-73/2017 Investigating the mechanisms of neuronal transport system and their regulations	Ms Pushpanjali Soppina Indian Institute of Technology Gandhinagar, Gandhinagar-382355, Gujarat	3200000
21.	SR/WOS-A/LS-101/2017 Isolation and characterisation of green tissue specific promoters in elite cotton varieties of India	Dr Dondapati Anne Kitty Deborah ICAR-Central Institute for Cotton Research, Post Bag No. 2, Shankar Nagar Post Office, Nagpur	2720500
22.	SR/WOS-A/LS-109/2017 Analysis of chikungunya virus nsp3 protein micro/macro interactors	Ms Ipsita Nandi Japee Institute of Information Technology, A-10, Sector-62, Noida, UP	2665500
23.	SR/WOS-A/LS-116/2017 DUS characterization, assessment of seed dormancy and storage behaviour of aromatic short grain rice varieties	Ms. M.C. Muthu College of Agriculture, OUAT, Bhubaneswar-1751003 Orrisa	3160500
24.	SR/WOS-A/LS-132/2017 Construction of linkage map and identification of QTLs linked to early maturity and drought tolerance in <i>Macrotyloma uniflorum</i>	Ms. Megha Katoch CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur-176062, HP	2029000
25.	SR/WOS-A/LS-135/2017 Evaluating the molecular basis for phenotypic traits in Indian <i>Staphylococcus aureus</i> .	Ms. Savitha Dattatri Indian Institute of Science, Bangalore-560012, Karnataka	3157400
26.	SR/WOS-A/LS-136/2017 Molecular analyses of protein kinase mediated interaction between fungus <i>Fusarium oxysporum</i> and its hosts <i>Grewia asiatica</i> and <i>Solanum lycopersicum</i>	Dr. Puja Gupta Indian Institute of Integrative Medicine, Canal Road, Jammu-180001	1843000
27.	SR/WOS-A/LS-138/2017 Characterization of vascular endothelial stress responses induced by human Japanese Encephalitis and its non structural proteins	Dr. Preksha Jain National Institute of Virology (ICMR), Ministry of Health & FW Govt. of India, 20A Dr Ambedkar Road, Pune-411001, Maharashtra	2574600
28.	SR/WOS-A/LS-149/2017 Investigation on chloroplast originated microRNAs role in nuclear derived genes regulations in	Dr. Asha Anand Kamaraj University, Madurai-625021, TN	3215500

	ablemoschus esculentus		
29.	SR/WOS-A/LS-150/2017 Development of smart polymerosome encapsulating mAb conjugated Gold nanoparticles /anticancer drug for combined chemo-NIR photothermal therapy in breast cancer	Dr. Farhat Naz Indian Institute of Technology Delhi, Hauz Khas, New Delhi-110016	1561500
30.	SR/WOS-A/LS-162/2017 Molecular characterization of bZIP transcription factors and morpho-physiological analysis in drought and heat stress in Triticum aestivum L.	Ms Vidisha Thakur Banasthali University, P.O. Banasthali Vidyapith, Banasthali-304022, Rajasthan	2555500
31.	SR/WOS-A/LS-169/2017 In- vitro generation of megakaryocytes and platelets from hiPSCs differentiated in the presence of two nutraceuticals: DHA/AA, as supplements to the cytokine-containing medium.	Dr Namrata Shabrani Symbiosis International University, Symbiosis Knowledge Village, Gram; Lavale, Taluka, Mulshi, Pune-412115, Maharashtra	2260000
32.	SR/WOS-A/LS-171/2017 Exploration and DNA barcoding of wild endemic mushrooms found in Manipur having high potential for lignin degradation to support bioremediation	Dr Khomdram Bijoya Gauhati University, Guwahati-781014, Assam	3158000
33.	SR/WOS-A/LS-178/2017 Ecosystem services valuation and carbon budget mapping of tropical dry deciduous forest, West Bengal	Dr Saroni Biswas Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia-741252, WB	2673200
34.	SR/WOS-A/LS-188/2017 NIRS based multi parameter prediction modelling and identification of related biochemical and molecular markers for baking, malting and brewing quality in Barley	Ms. Shakti Khara ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi-110012	2665000
35.	SR/WOS-A/LS-189/2017 Understanding the role of cellular mistranslation in modulating proteostasis	Dr. Smriti Arora Institute of Genomics and Integrative Biology, Mathura Road, Delhi-110020	3210500
36.	SR/WOS-A/LS-205/2017 Comparing vaginal microflora diversity between healthy and cervical cancer women for identifying isolates having probiotic	Dr. Ashwini Laxman Kamble Interactive Research School for Health Affairs (IRSHA), Pune-411043, Maharashtra	2087000

	and anticancer potential		
37.	SR/WOS-A/LS-209/2017 Involvement of somatotropin in growth regulation of two economically important indigenous carps, <i>Osteobrama belangeri</i> and <i>Bangana dero</i> of Manipur & development of suitable feeds for successful culture	Dr. Naorem Sobita Devi ICAR Research Complex for North Eastern Hill Region, Manipur Centre, Lamphelpat, Imphal-79500, Manipur	949500
38.	SR/WOS-A/LS-221/2017 Elucidating the function of euchromatic histone lysine methyltransferase 1 (EHMT1) in obesity and diabetes	Dr Mahua Chakraborty Institute for Stem Cell Biology and Regenerative Medicine (inStem) National Centre for Biological Sciences, GKVK PO, Bellary Road, Bangalore-560065, Karnataka	1769000
39.	SR/WOS-A/LS-227/2017 Effects of novel peptides isolated from buffalo ovarian follicular fluid on in vitro maturation, fertilization and embryo development of oocytes retrieved from vitrified preantral follicles	Ms. Kavya Krishna ICAR-National Institute of Animal Nutrition and Physiology, Adugodi, Bangalore-560030, Karnataka	2366700
40.	SR/WOS-A/LS-228/2017 Dissecting the role of chromatin remodeling factor TIP60 in regulation of regeneration in <i>Planaria</i>	Dr Bharti Jaiswal National Centre for Biological Sciences, GKVK PO, Bellary Road, Bangalore-560065, Karnataka	2315000
41.	SR/WOS-A/LS-230/2017 Micro RNA as a modulator for hearing response in fruitfly	Dr Ronnaly Rout Director, National Institute of Technology Rourkela, Rourkela-769008, Orissa	668000
42.	SR/WOS-A/LS-240/2017 Effects of arsenic trioxide loaded poly lactic-co-glycolic acid (PLGA) nanoparticles against breast cancer: An in vitro study	Ms Kavita Rana Chaudhary Charan Singh University, Merrut-250004, UP	1809000
43.	SR/WOS-A/LS-245/2017 Investigating the nature of interaction of P2X7 receptor with Pannexin 1 hemichannel and its physiological significance	Director, Centre for Incubation, Innovation, Research and Consultancy (CIIRC), Jyothy Institute of Technology, Thataguni off Kanakapura Road, Bangalore-560082, Karnataka	2139000
44.	SR/WOS-A/LS-250/2017 Optimization of lipid content in selected microalgae and their mass culture for utilization as live feed in aquaculture and for industrial exploitation as source of polyunsaturated fatty acids (PUFA)	Dr Beena Bhaskaran Nair Central Marine Fisheries Research Institute, P.B. No. 1603, Ernakulam North P.O., Cochin-682018, Kerala	2401500

45.	SR/WOS-A/LS-253/2017 Using whole exome sequencing (WES) to screen and identify genetic variants associated with PCOS in Indian population.	Dr Janani Dakshina Moorthy SRM University, Kattankulathur, Chennai-603230, TN	3237000
46.	SR/WOS-A/LS-256/2017 Fabrication, characterization and optimization of a 'Duckweed water treatment plant' for removal of as and FI from water and bioremediation with scope for value added technologies	Ms Aparupa Thakuria Indian Institute of Technology Guwahati, Guwahati-781039, Assam	1858000
47.	SR/WOS-A/LS-262/2017 Production of economical biosurfactant from microbial sources and its potential application in phytoremediation.	Ms Neelam Mishra Gulbarga University, Kalaburagi- 585106, Karnataka	2549000
48.	SR/WOS-A/LS-263/2017 Investigating sucrose accumulation in sugarcane through RNA-seq bulked segregant analysis with special reference to cytoplasmic inheritance.	Dr Nandita Banerjee ICAR-Indian Institute of Sugarcane Research, Rai Bareli Road, P.O. Dikusha, Lucknow- 226002, UP	2403000
49.	SR/WOS-A/LS-264/2017 Molecular mechanism of Allicin induced cytotoxicity in HPV 16 and HPV 18 positive cervical carcinoma cells, An in vitro study	Dr Komal All India Institute of Medical Sciences, Ansari Nagar, New Delhi-110029	1845000
50.	SR/WOS-A/LS-290/2017 Isolation and studies on Brassica calreticulin to reveal it's particular domain possessing antioxidative role and exploration of its proper mechanism in mitigating the oxidatve stress	Dr Rini Joshi G.B. Pant Univeristy of Agriculture & Technology, Pantnagar-263145, Uttarakhand	3160000
51.	SR/WOS-A/LS-293/2017 STAT3 regulation via miRNAs in ovarian cancer stem cells: A therapeutic approach	Dr Seema Thakur All India Institute of Medical Sciences, New Delhi-110029	3225000
52.	SR/WOS-A/LS-295/2017 Production of glycomacropptide from cheese whey at industrial level	Dr Neelima Sharma ICAR-National Dairy Research Institute, Karnal-132001, Haryana	1512000
53.	SR/WOS-A/LS-296/2017 Development of novel packaging film for fruit and vegetable storage using metal oxides Nano particles	Dr. Sapna Thakur Eternal University, Baru Sahib, Dist. Sirmour-173229, Himachal Pradesh	2456000

	synthesized by different process		
54.	SR/WOS-A/LS-299/2017 To uncover the epigenetic mechanisms in etiopathology of Schizophrenia with particular reference to hyperhomocysteinemia and sex disparity	Dr Sikta Bandopadhyay Indian Institute of Chemical Technology Hyderabad, Tarnaka, Uppal Road, Hyderabad-500007, Telangana	2590000
55.	SR/WOS-A/LS-300/2017 Investigating the signaling pathway associated with atherosclerotic macrophage foam cell formation	Dr. Uzma Saqib Indian Institute of Technology Indore, Simrol-453552, MP	3195000
56.	SR/WOS-A/LS-302/2017 Molecular and functional characterization of ATRab7 and its interacting target protein from a salt secreting halophyte aeluropus lagopoides for modulating stress signalling	Dr Parinita Agarwal Central Salt & Marine Chemicals Research Institute, Gijubhai Badheka Marg, Bhavnagar-364002, Gujarat	3237000
57.	SR/WOS-A/LS-303/2017 Regulation of tyrosine hydroxylase: implication on catecholamines in normal and neurodegenerative stress in fish	Dr Mamta Sajwan Khatri University of Hyderabad, Hyderabad-500046, Telangana	2813000
58.	SR/WOS-A/LS-310/2017 Identification of novel multi-target allosteric modulators of Tyrosine Kinases using structural bioinformatics and pharmacological approach	Dr Kavita Kumari Kakarala Bhagwan Mahvir Medical Research, Centre, Hyderabad-500004, Telangana	2979000
59.	SR/WOS-A/LS-319/2017 Investigation of microRNAs involved in the transcriptional regulation of androgen receptor expression in prostate cancer cells	Dr Kalveen Sikand Punjab University, Chandigarh-160014, Punjab	3099000
60.	SR/WOS-A/LS-321/2017 Cloning and stimulation of FUR genes to enhance production of arid and semiarid bacterial siderophores for commercial applications	Dr Shabori Bhattacharya University of Rajasthan, Jaipur-302004, Rajasthan	2995000
61.	SR/WOS-A/LS-323/2017 Molecular profiling of myelodysplastic syndromes subgroups-MDS with single lineage dysplasia and MDS with multilineage dysplasia for the assessment of prognosis and treatment response	Dr Rekha Chaubey All India Institute of Medical Sciences, New Delhi-110029	2266000

62.	SR/WOS-A/LS-329/2017 Down-regulation of Rhizoctonia solani endogenous genes by host-delivered RNA interference to enhances Sheath Blight disease resistance in rice	Dr Ila Mukul Tiwari ICAR-National Research Centre on Plant Biotechnology, Lal Bahadur Sastri Building, IARI, Pusa Campus, New Delhi-110012	1816000
63.	SR/WOS-A/LS-331/2017 Moss flora of Nagaland, India	Dr Vaphuno Sale Doulo Kohima Science College, Jotsoma, Kohima-797002, Nagaland	3034000
64.	SR/WOS-A/LS-337/2017 Improving RNAi efficiency in some lepidopterous insects through nanoparticles based dsRNA delivery system	Ms. Shelja Sandal Punjab Agricultural University, Ludhiana-141004, Punjab	2885000
65.	SR/WOS-A/LS-339/2017 To study the association and expression of IL-33 levels with clinical and laboratory characteristics of rheumatoid arthritis and systemic lupus erythematosus	Dr Manju Ohri All India Institute of Medical Sciences Rishikesh, Dehradun-249201, Uttarakhand	2764000
66.	SR/WOS-A/LS-350/2017 A profiling of differential expression pattern of metastatic suppressor genes in breast cancer –as identification markers for early malignancy	Dr Divya Khanna CSIR-Institute of Genomics & Integrative Biology, Mall Road, Near Jublee Hall, New Delhi-110007	2665000
67.	SR/WOS-A/LS-352/2017 Structure and function of an actin binding protein, profilin in Leishmania donovani	Ms. Purna Sudha Bindu Ambaru Institute of Bioinformatics & Applied Biotechnology, Bengaluru-560100, Karnataka	2979000
68.	SR/WOS-A/LS-355/2017 Functional characterization of transcription factors in rice (Oryza sativa) by chemical genomic approach	Ms. P.A. Vanitha University of Agricultural Sciences, GKVK, Bengaluru-560065, Karnataka	3031000
69.	SR/WOS-A/LS-358/2017 Role of cellular autophagy and its modulation in the replication of hepatitis E virus	Dr Manjita Srivastava National Institute of Virology, Pune-411038, Maharashtra	1725000
70.	SR/WOS-A/LS-359/2017 Role of viruses, expression of MPPED2 and P16 in the pathogenesis of cervical carcinogenesis	Dr Thathapudi Sujatha National Institute of Nutrition, (ICMR), Jamai Osmania PO, Hyderabad-500007, Telangana	2106000

71.	SR/WOS-A/LS-371/2017 Exploration of cyto-protective and anti-proliferative activities of green synthesized iron-oxide based anti-oxidant nanozymes	Dr. Deepa Mundekkad VIT University, Vellore-632014, TN	2995500
72.	SR/WOS-A/LS-381/2017 CRISPR/Cas mediated knockdown of wheat genes governing susceptibility to Puccinia rust pathogens	Dr Kanti Kiran ICAR-National Research Centre on Plant Biotechnology, Lal Bahadur Sastri Building, IARI, Pusa Campus, New Delhi-110012	3073000
73.	SR/WOS-A/LS-390/2017 Role of microRNAs in masking the regenerative potential of muller glia in mammalian retina	Dr Qulsum Akhter Mir All India Institute of Medical Sciences, New Delhi-110029	2885000
74.	SR/WOS-A/LS-391/2017 -glucan based micro particles as an activator of innate immunity and small peptide carrier	Dr Geetha Venkatachalam Indian Institute of Technology Madras, Chennai-600036, TN	2995000
75.	SR/WOS-A/LS-394/2017 Mapping and transfer of higher grain length and multiple rust resistance from T. dicoccoides to cultivated wheat	Ms. Manpreet Kaur Punjab University, Ludhiana-141002, Punjab	1944000
76.	SR/WOS-A/LS-396/2017 Molecular phylogeny of Genus Straobilanthes (Acanthaceae) of Southern Western Ghats, India	Ms. Tiny Antony St. Thomas College, Pala, Pala-686574, Kerala	3270000
77.	SR/WOS-A/LS-406/2017 Development of thermotolerant variety of wheat	Dr Krishnaveni Ramakrishna University of Agricultural Sciences, Dharwad, Krishinagar-580005, Karnataka	3215000
78.	SR/WOS-A/LS-410/2017 Methane oxidizing bacteria: Community structure elucidation and cultivation from Indian lowland rice ecosystems for future applications	Ms Pranitha Saurabh Pandit Agharkar Research Institute, Pune-411004, Maharashtra	2745000
79.	SR/WOS-A/LS-412/2017 Enriching antioxidant properties and culm strength of popular rice cv. white ponni by targeted marker back cross approach	Dr Savitha Palani Samy ICAR-National Rice Research Institute, Cuttack-753006, Odisha	3065000
80.	SR/WOS-A/LS-414/2017 Molecular characterization and dna barcoding of indigenous edible mushrooms consumed by the ethnic	Dr Tabitha Langhu ICAR Research Complex for NEH Region, Umroi Road, Umiam-793103, Meghalaya	2475000

	Tribes of Manipur		
81.	SR/WOS-A/LS-417/2017 Molecular physiology of carbon and nitrogen metabolism under water stress in guar leaf (<i>Cyamopsis tetragonaloba</i>).	Ms Komal Pandey CSIR-National Botanical Research Institute, Lucknow-226001, UP	3201000
82.	SR/WOS-A/LS-420/2017 Characterization of effect of Sox5 transcription factor on the expression of hPLSCR1, hPLSCR2 and hPLSCR4 human srambalase genes	Dr Anjali Jaiwal Indian Institute of Technology Madras, Chennai-600036, TN	3105000
83.	SR/WOS-A/LS-422/2017 AMPK mediated energy dynamics: A cue for mTOR dependent growth regulation for cancer genesis	Dr Meenu Asaas Qureshi Registrar, University of Kashmir, Hazratbal, Srinagar-190006, J&K	3184000
84.	SR/WOS-A/LS-425/2017 Millets as a component of diet diversity to alleviate malnutrition	Ms Madhulika Esther Prasad Graphic Era (Deemed to be University), 566/6, Bell Road, Clement Town, Dehradun-248002, Uttarakhand	3203000
85.	SR/WOS-A/LS-427/2017 Invstigating the role of microtubule regulations by fidgetin in epithelial mesenchymal transition and cancer cell motility	Dr Suranjana Mukherjee Indian Institute of Technology Kharagpur	3018000
86.	SR/WOS-A/LS-429/2017 Barcoding and Biosystematic studies on eulophid wasps (Chalcidoidea eulophidae) associated with the agri-ecosystems of Kerala	Ms Anju G. Krishnan Kerala Agricultural University, Vellanikkara-680656, Kerala	3050000
87.	SR/WOS-A/LS-434/2017 Identification and characterization of genes in signaling mechanisms for drought tolerance in Pigeon pea	Dr. Padmalatha Koilkonda	2050000
88.	SR/WOS-A/LS-448/2017 siRNA targeted dual drug loaded mesoporous silica nanoparticles in orthotopic xenograft model of lung cancer	Dr. Fahima Dilnawaz Institute of Life Sciences, Nalco Square, Bhubaneswar-751023, Odisha	2534000
89.	SR/WOS-A/LS-456/2017 Exploring tissue specific signals involved in development of T-helper 17 cells as potential therapeutic targets for rheumatoid arthritis	Dr. Lekha Rani National Centre for Cell Science, Ganeshkhind Road, Pune, Maharashtra-411007, Maharashtra	2962000
90.	SR/WOS-A/LS-457/2017 Investigating post-transcriptional regulation of steroidogenic genes	Dr. Smitha Vishnu Indian Institute of Science Education and Research (IISER),	2041000

	during development	Thiruvananthapuram-695016, Kerala	
91.	SR/WOS-A/LS-472/2017 Characterization of mechanism of ubiquitination and degradation of CXCR4 in breast cancer stem cells	Dr. Anju Ahlawat Postgraduate Institute of Medical Education & Research (PGIMER), Chandigarh-160012	1532000
92.	SR/WOS-A/LS-475/2017 Role of nod-like receptor protein 3 (NLRP3) on metastasis and angiogenesis of human melanoma cells	Dr. Sheeja K Regional Cancer Centre, Medical College (P.O) Thiruva , Thiruvananthapuram- 695011, Kerala	1414000
93.	SR/WOS-A/LS-478/2017 Structure-function studies on novel Fibrinogen A Alpha Chain Protein (FGA) mutants associated renal Amyloidosis: Exploring dietary management of the disease.	Dr Monu Pande Banaras Hindu University, Varanasi-221005, UP	3166000
94.	SR/WOS-A/LS-479/2017 Production and application of microbial mutanase for prevention and reduction of dental plaques	Dr. Sirisha Boddapati Indian Institute of Technology Madras, Chennai-600036, TN	2938000
95.	SR/WOS-A/LS-484/2017 Genome-wide association mapping for yield contributing traits in Indian mustard (Brassica juncea L. Czern & Coss.)	Dr. Nehanjali Parmar ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur, Bharatpur-321303, Rajasthan	3101000
96.	SR/WOS-A/LS-485/2017 Evaluation of pharmacological interventions to modulate endoplasmic reticulum stress in experimental diabetic neuropathy	Ms Chayanika Gundu National Institute of Pharmaceutical Education and Research (NIPER), Balanagar, Hyderabad-500037, Telangana	2116000
97.	SR/WOS-A/LS-488/2017 Biotechnological interventions to enhance the production and accumulation of important withanolides in Withania somnifera (L.) Dunal	Dr. Kulwinder Kaur Guru Nanak Dev University, Amritsar-143 005, Punjab	2990000
98.	SR/WOS-A/LS-494/2017 A study to understand drug induced acute kidney injury using bioinformatics approach	Dr. Vasudha Sakharam Satalkar D. Y. Patil Univeristy , Pune-411018, Maharashtra	3131000
99.	SR/WOS-A/LS-497/2017 Characterization of dendritic cell subsets in blood and decidua of pre-	Dr. Aarthi Sundararajan Indian Institute of Public Health Gandhinagar, Gandhinagar-382042, Gujarat.	3127000

	eclampsia patients		
100.	SR/WOS-A/LS-510/2017 Phytochemical profiling and chemical fingerprinting of <i>Curcuma aromatica</i> for selection, mass multiplication and quality control of high drug yielding chemotypes	Dr. Sakuntala Behura Siksha 'O' Anusandhan, Bhubaneswar-751003, Orrisa	3170000
101.	SR/WOS-A/LS-513/2017 Multilineage differentiation of human mesenchymal stem cell and in vivo biological response of polyvinylidene difluoride based composite materials	Dr. Nitu Bhaskar Indian Institute of Science, Bangalore-560012, Karnataka	1710000
102.	SR/WOS-A/LS-524/2017 Maneuvering native microflora in compliance with finger millet's growth in tribal belt of Chhattisgarh bastar plateau	Dr. Poonam Kumari Indira Gandhi Krishi Vishwavidyalaya Krishi Nagar, Raipur-492012, Chhattisgarh	2995000
103.	SR/WOS-A/LS-11/2018 Evaluation of antimicrobial activity and plant growth promoting trait of bacterial endophyte from <i>Allium sativum</i>	Ms. Pratima Srivastava Finance Officer, Veer Bahadur Singh Purvanchal University, Jaunpur-222003, UP	2223000
104.	SR/WOS-A/LS-16/2018 Understanding molecular mechanism of Silicon mediated resistance against biotic stress using Rice blast as a system	Dr. Gitanjali Jiwani Finance & Account Officer, ICAR-National Research Centre of Plant Biotechnology, L.B.S. Buliding, IARI, New Delhi-110012	1858200
105.	SR/WOS-A/LS-23/2018 Phytoimmunomodulators of <i>Simarouba glauca</i> DC. Targeting Host Against Multi Stage Disease Typhoid, Foster by <i>Salmonella enterica</i> serovar Typhi	Ms. Navya Nagaraj Kuvempu University, Jnana Sahyadri, Shankaraghatta-577401, Karnataka	2095000
106.	SR/WOS-A/LS-25/2018 Genome editing of mesenchymal stem cells: implications for tissue regeneration in chronic inflammatory disorders	Dr. Amruta Sameer Naik National Centre for Cell Science, Pune-411007, Maharashtra	2678000
107.	SR/WOS-A/LS-30/2018 Transcriptome profiling of genes involved in resistance to chirke virus infection of Large cardamom (<i>Amomum subulatum</i> Roxb.)	Ms. Reshma Ranjanan Indian Cardamom Research Institute (ICRI Spices Board), Thrissur-680006, Kerala	2535000
108.	SR/WOS-A/LS-32/2018	Ms Varshasnata Mohanty Yenepoya University,	3039000

	Identification of serum-based oral cancer biomarkers in tobacco chewers	Mangalore-575018, Karnataka	
109.	SR/WOS-A/LS-36/2018 Evaluation of tolerance to last resort antibiotics in clinical isolates of staphylococcus aureus	Dr. Madhuri Singh Finance & Account Officer, Jawaharlal Nehru University, New Delhi-110067	2310000
110.	SR/WOS-A/LS-38/2018 Repositioning of established drugs for anti-mycotic activity against Candida spp.	Ms Shuvechha Mukherjee ICMR-National Institute for Research in Reproductive Health, Mumbai-400012, Maharashtra	3185000
111.	SR/WOS-A/LS-41/2018 Identification of salinity stress-responsive microRNAs in wheat at reproductive stage.	Dr. Garima Singroha ICAR-Indian Institute of Wheat and Barley Research (IIWBR), Karnal-132001, Haryana	2417000
112.	SR/WOS-A/LS-45/2018 Functional characterization of leucine aminopeptidase from aphid resistant wild crucifer Rorippa indica	Dr. Lekha Bandopadhyay Bose Institute Kolkata, P-1/12, C.I.T. Road Scheme VII M, Kolkata-700054, WB	2966000
113.	SR/WOS-A/LS-46/2018 Characterization of genetic instability (i.e Nuclear vs mitochondria MSI) and mitochondrial DNA copy no. changes in colorectal cancer patients and its clinicopathological correlation.	Ms Alka Yadav Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow-226014, UP	2270000
114.	SR/WOS-A/LS-48/2018 Influence of mitochondrial factors in rheumatic heart disease	Dr. Sunitha Reddy Kundur CSIR-Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad-500007, Telangana	1880000
115.	SR/WOS-A/LS-50/2018 Carotenoid mediated intervention on miR-7-5p and gastrin releasing peptide in regulating apoptosis of BEAS-2B cells	Dr. P Divya CSIR-Central Food Technological Research Institute, Mysore-570020, Karnataka	2590000
116.	SR/WOS-A/LS-55/2018 Genetic analysis for Phosphorous acquisition efficiency and characterization of rhizosphere microbiome and root exudates in rice genotypes	Dr. Devasena Ramachandran Tamil Nadu Agricultural University, Coimbatore-641003, TN	3200000
117.	SR/WOS-A/LS-66/2018 Functional role of EPHA 1 in ovarian cancer	Dr. A Shabna Cancer Institute (WIA), Sardar Patel Road, Chennai-600036, TN	2155000
118.	SR/WOS-A/LS-67/2018 Restoration of P53 status in triple	Dr. Sneha Gurudevan Indian Institute of Technology	3023000

	negative breast cancer using P53 reactivators loaded EGFR targeting therapeutic nanoparticles	Madras, Chennai-600036, TN	
119.	SR/WOS-A/LS-68/2018 Evaluation of interaction of transcription factors with RNA polymerase during transcription.	Dr. Shreya Sengupta Bose Institute, Kolkata-700054, WB	3025000
120.	SR/WOS-A/LS-70/2018 Life under thermodynamic limit: Insights from methanogenesis in archaea	Dr. Mousumi Banerjee Indian institute of Science Education and Research Tirupati, Tirupati-517507, Andhra Pradesh	2390000
121.	SR/WOS-A/LS-79/2018 Biomimetic cyanobacterial photosystem based nano-devices for the conversion of solar energy to biofuel	Dr. Sumathy Shunmugam Bharathidasan University, Tiruchirappalli-620024, TN	3184000
122.	SR/WOS-A/LS-80/2018 Structure-based antibody design of cell penetrable scFv against Hepatitis C virus envelope protein	Dr. Soma Das Indian Institute of Science, Bangalore-560012, Karnataka	3145000
123.	SR/WOS-A/LS-83/2017 Immunological responses against Tenuiproboscis sp. infections in selected marine fishes from south-west coast of Kerala	Dr Pinky Kaur ICAR Unit-Central Marine Fisheries Research Institute, Cochin-682018, Kerala	3173000
124.	SR/WOS-A/LS-85/2018 Genetic markers of electrical storm in patients with underlying myocardial infarction	Dr. Advithi Rangaraju Centre for DNA Fingerprinting and Diagnostics, Hyderabad-500001, Telagana	1987000
125.	SR/WOS-A/LS-91/2018 Role of negative regulators of egfr in malignant transformations of oral dysplasia	Dr. Deepika Verma All India Institute of Medical Sciences, New Delhi, Delhi-110029	3065000
126.	SR/WOS-A/LS-96/2018 Establishment of reference genome of Crocus sativus being grown in the fields of Kashmir, J&K, India	Dr. Sheetal Ambardar National Centre for Biological Sciences, Tata Institute of Foundation Research, GKVK Campus, Bellary Road, Bangalore-560065, Karnataka	1983000
127.	SR/WOS-A/LS-98/2018 Immuno-regulatory role of SOCS proteins in chikungunya virus infection	Dr. Sandhya Singh Guru Gobind Singh Indraprastha University, Sector 16C, Dwarka, New Delhi-110078	3105000
128.	SR/WOS-A/LS-99/2018 Analysis of CAR T cell therapy as a	Ms. Rimjhim Mohanty Kalinga Institute of Industrial Technology, Bhubanewar-	3166000

	living drug for the treatment of hematologic cancer	751024, Odisha	
129.	SR/WOS-A/LS-100/2018 Minimizing the mitochondrial and DNA cryodamages of Goat sperm by modified dilutor	Dr. Pallavi Singh ICAR- Central Institute for Research on Goat (CIRG) Makhdoom, Farah, Mathura-281122, UP	2940500
130.	SR/WOS-A/LS-110/2018 Screening and validation of inhibitors against ADP-ribosylhydrolase of chikungunya virus using structure based virtual screening and in vitro studies	Dr. Meenakshi Chaudhary Shiv Nadar University, Gautam Buddha Nagar-201314, Uttar Pradesh	2172000
131.	SR/WOS-A/LS-117/2018 Identification of the candidate gene(s) for grain yield under drought by fine mapping of a major QTL on wheat chromosome 7B and its transfer into popular high yielding varieties of wheat	Dr. Sonia Goel SGT University, Gurgaon, Haryana	2087000
132.	SR/WOS-A/LS-124/2018 Transcriptional and translational regulation of periostin and its interaction with DDR2 in cardiac fibrosis.	Ms. Sruthi Radha Krishnan Sree Chitra Tirunal Institute for Medical Sciences, Trivandrum-695011, Kerala	3199000
133.	SR/WOS-A/LS-126/2018 Studies on the epigenetic basis of interplay between endoplasmic reticulum stress and autophagy in ischemic stroke	Dr. Parimala Narne Registrar, University of Hyderabad, Hyderabad-500046, Telangana	2995500
134.	SR/WOS-A/LS-135/2018 Deciphering the role of TRIM family of proteins in neurodegeneration and neuroinflammation	Dr. Nuzhat Ahsan Director, Institute of Life Sciences, Bhubaneswar-751023, Odisha	1930000
135.	SR/WOS-A/LS-136/2018 Application of Elastin Like polypeptide (ELP) containing extra cellular matrix (ECM) binding ligands in regenerative medicine	Dr. Sarangthem Vijaya Devi Director, All India Institute of Medical Sciences, Ansari Nagar, New Delhi-110029	2671000
136.	SR/WOS-A/LS-137/2018 Targeting cancer cells with two-sided swords: role of novel NSAID-metabolic drug complexes as anti-cancer agent	Dr. Jolly Deb Director, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road, Kolkata-700032, WB	2775500
137.	SR/WOS-A/LS-140/2018 Identifying Hydrogen sulphide role	Dr. Kavitha R Thangaraj Principal, Sri Ramachandra Institute of Higher Education &	3127500

	in in vitro model of inflammatory bowel disease.	Research, Ramachandra Nagar, Porur, Chennai-600116, TN	
138.	SR/WOS-A/LS-141/2018 Protein glycosylation - relevance in Prokaryotes and Microbiome	Dr. Shradha Khater Indian Institute of Technology Bombay, Powai, Mumbai-400076, Maharashtra	2194000
139.	SR/WOS-A/LS-142/2018 Marine sponges as biomonitors for micro -plastics pollution	Dr. Anshika Singh National Centre for Biological Sciences, Tata Institute of Foundation Research, GKVK Bangalore-560065, Karnataka	1924500
140.	SR/WOS-A/LS-145/2018 Building and analysing gene network for polycystic ovary syndrome	Ms Shaini Marina Joseph ICMR-National Institute for Research in Reproductive Health, J. M. Street, Parel, Mumbai-400012, Maharashtra	2550000
141.	SR/WOS-A/LS-150/2018 Bone metastatic signature in Indian breast cancer patients: A transcriptome based study	Dr. Heena Vatsalbhai Dave, Nirma University, Ahmedabad-382481, Gujarat	2880000
142.	SR/WOS-A/LS-151/2018 Clinical evaluation of T AYU BKV in patients of chronic heart failure (CHF) with special reference to B type natriuretic peptide (BNP)	Dr. Savitri Vasudev Baikampady Sri Sathya Sai Institute of Higher Medical Sciences, Whitefield, EPIP area, Bangalore-560066, Karnataka	3265000
143.	SR/WOS-A/LS-152/2018 Response to heat stress in maize during microsporogenesis and its implications in crop improvement	Dr. Neetha Jayaram University of Agricultural Sciences, GKVK, Bengaluru-560065, Karnataka	2935000
144.	SR/WOS-A/LS-153/2018 Understanding the underlying molecular mechanism governing A2 CMS system based cytoplasmic male sterility in pigeon pea.	Dr. Swati Saxena ICAR-National Research Centre on Plant Biotechnology, Pusa Campus, New Delhi-110012	2205000
145.	SR/WOS-A/LS-154/2018 Process optimization and development of neural models to study biosurfactant production	Ms. Varsha Singh Birla Institute of Technology, Mesra, Ranchi-835215, Jharkhand	2335500
146.	SR/WOS-A/LS-157/2018 Evaluation of nutritional and anti-nutritional properties and neurotoxicity of cycassphaerica (cycadaceae)- a food plant used by the tribal of eastern ghats of India	Dr. Pankajini Bal Regional Plant Resource Centre, Bhubaneswar-751015, Odisha	2084000
147.	SR/WOS-A/LS-160/2018 Quantitative proteomics and phosphoproteomics to understand	Dr. Ragini Sinha ICAR-Indian Institute of Agricultural Biotechnology,	2445500

	drought stress perception and response in contrasting genotypes of horsegram (<i>macrotylomauniflorum</i>)	Ranchi-834010, Jharkhand	
148.	SR/WOS-A/LS-161/2018 Poly (ADP-ribose)polymerase1 (PARP1) mediated translational selectivity modulating gene response in cervical cancer	Dr. Jyoitka Rajawat Lucknow University, Lucknow-226007, UP	1864000
149.	SR/WOS-A/LS-162/2018 Comprehensive proteomic analysis of normozoospermic and asthenozoospermic human spermatozoa at ejaculation, capacitation and acrosome reaction for identification of infertility associated marker.	Dr. Nirmal Chhikara All India Institute of Medical Sciences, Ansari Nagar, Delhi-110029	3215500
150.	SR/WOS-A/LS-163/2018 Taxonomic revision and molecular phylogeny of <i>elaecarpus</i> l. from peninsular India	Ms. Charuta Nachiket Savitribai Phule Pune University, Pune-411007, Maharashtra	3215500
151.	SR/WOS-A/LS-165/2018 In vitro propagation and active ingredient analysis in <i>Paris polyphylla</i> , a highly medicinal and endangered medicinal herb	Ms Shweta Pandey Graphic Era Hill University, Dehradun-248002, Uttarakhand	2407000
152.	SR/WOS-A/LS-181/2018 Deciphering the role of non-coding microRNA genes in heat stress tolerance in rice genotypes (<i>Oryza sativa</i> L.)	Dr. Nagalakshmi Sanivarapu ICAR-Indian Institute of Rice Research, Hyderabad-500030, Telangana	2473000
153.	SR/WOS-A/LS-182/2018 Antimicrobial targets of chemokines against cryptosporidiosis	Dr. Arpita, Singh Banaras Hindu University, Varanasi-221005, UP	2435700
154.	SR/WOS-A/LS-188/2018 Evaluating rhythmicity and cross talk between sirtuin and clock genes in non alcoholic fatty liver disease	Ms Savera Aggarwal Institute of Liver and Biliary Sciences, D-1, Vasant Kunj, New Delhi, Delhi-110070	2530000
155.	SR/WOS-A/LS-194/2018 Bacterial mediated drought tolerance: understanding the physiological, biochemical and molecular mechanism in <i>Cyamopsis</i> (cluster bean)	Dr Manu Asthana Vellore Institute of Technology (VIT), Vellore-632014, TN	2684000
156.	SR/WOS-A/LS-207/2018 Characterization of kinetochore complex in <i>Mucor circinelloides</i>	Dr. Shweta Panchal Jawaharlal Nehru Centre for Advanced Scientific Research	2480000

	with an aim to identify potential drug targets	(JNCASR), Bangalore-560064, Karnataka	
157.	SR/WOS-A/LS-210/2018 Clinical epidemiology and biology of mixed plasmodium falciparum and plasmodium vivax malaria in central India	Ms. Nimita Deora ICMR-National Institute of Malaria Research, Sector 8, Dwarka, New Delhi-110077	2216000
158.	SR/WOS-A/LS-221/2018 Investigation, exploration and utilization of phytobiomes for efficient management of Rhizoctonia diseases on maize	Dr. Vimla Singh CCS-HAU, Regional Research Station, Uchani, Karnal-132001, Haryana	2589000
159.	SR/WOS-A/LS-222/2018 Combining 'Omics' and physiological studies to quantitate divergence between two predominant cryptic species of cotton whitefly, Bemisia tabaci in India	Ms Gurmeet Kaur Punjab Agricultural University, Ludhiana-141004, Punjab	1644000
160.	SR/WOS-A/LS-223/2018 Elucidating the role of host transcription factor(s) in disease development by Cucumber Mosaic Virus	Ms Usha Kumari Rattan CSIR-Institute of Himalayan Bioresource Technology, Palampur-176061, HP	2434800
161.	SR/WOS-A/LS-224/2018 Functional profiling of microbiome affecting drought response and nutrient uptake in rice	Dr. Toshy Agrawal Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar, Raipur-492006, Chhattisgarh	3108800
162.	SR/WOS-A/LS-225/2018 Evolution of gene regulation in members of nasuta subgroup of drosophila and their hybrids	Dr. Radhika Padma Indian Institute of Science Education and Research (IISER), Bhopal-462066, MP	2478500
163.	SR/WOS-A/LS-226/2018 Agrobacterium rhizogenes mediated hairy root cultures of Bergenia spp.: A potential source for kidney stone remedy	Dr. Farah Deeba Director, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow-226015, UP	2979000
164.	SR/WOS-A/LS-228/2018 Role of PAK4 kinase in regulating microtubule dynamics	Dr. Kanchan Sinha Indian Institute of Technology Bombay, Mumbai-400076, Maharashtra	3160500
165.	SR/WOS-A/LS-229/2018 Engineering endophytic bacteria for the co- expression of chitinase and lectin towards bio-suppression of Red Palm Weevil (Rhynchophorus	Dr. J Vidya ICAR-Central Plantation Crops Research Institute, Regional Station, Kayamkulam, Alappuzha -690533 Kerala	1880500

	ferrugineus Olivier)		
166.	SR/WOS-A/LS-236/2018 Lion-tailed macaque (<i>Macaca silenus</i>): Feeding ecology and management of an endangered species in captivity	Ms Vilakkathara Monisha Kerala of Veterinary and Animal Sciences University, Pookode, Wayanad-673576, Kerala	1800000
167.	SR/WOS-A/LS-238/2018 To study the miRNA-mediated regulation of costunolide biosynthesis in <i>S. lappa</i> by small RNA and degradome sequencing	Dr. Ravneet Kaur Panjab University, Chandigarh-160014, Punjab	2335500
168.	SR/WOS-A/LS-244/2018 Induction of genetic variability in in vitro raised saffron cultures for economic traits and resistance against major fungal pathogens	Dr. Mamta Sharma Deputy Comptroller, SKUAST-J, Chatha, Jammu-180009, J&K	1803500
169.	SR/WOS-A/LS-252/2018 Influence of intraocular inflammatory and growth factor levels on postoperative complications in congenital cataract surgery.	Dr. Savleen Kaur Post Graduate Institute of Medical Education and Research, Chandigarh-160012, Punjab	3108800
170.	SR/WOS-A/LS-260/2018 Manipulation of transcriptional factors for developing hyper-cellulase producing fungal strains for bioconversion of lignocellulosic biomass	Dr. Baljit Kaur Guru Nanak Dev University, Amritsar-143005, Punjab	1963000
171.	SR/WOS-A/LS-285/2018 Understanding the neuroprotective mechanism of <i>C. elegans</i> MANF (mesencephalic, astrocyte-derived neurotrophic factor) protein in an in-vivo model of Parkinson's disease	Dr. Pratima Pandey Indian Institute of Science Education and Research (IISER) Mohali-140306, Punjab	2993000
172.	SR/WOS-A/LS-294/2018 Design & development of an efficient rapid diagnostic technique for mycobacterium leprae infection (leprosy)	Ms Nupur Garg Jamia Hamdard, Delhi-110062	3172000
173.	SR/WOS-A/LS-304/2018 Genetic assessment of the non-descript pig breeds across selected regions of Uttarakhand	Ms Khusbu Sahu Wildlife Institute of India, Chandrabani, Dehradun-248001, Uttarakhand	2029000
174.	SR/WOS-A/LS-306/2018 Enhancement of kernel sweetness among elite sweet corn genotypes through marker-assisted pyramiding	Dr. Rashmi Chhabra ICAR-Indian Agricultural Research Institute, New Delhi-110012	2715000

	of sugary1 and shrunken2 genes		
175.	SR/WOS-A/LS-311/2018 Design and Development of a cost effective and rapid test card for typhoid detection	Dr. Adity Chopra Panjab University, Chandigarh-160014, Punjab	2419000
176.	SR/WOS-A/LS-314/2018 CAP-53194, a novel predictive tumor inhibitor of Polo-like Kinase 1	Ms Venkata Sarvani All India Institute of Medical Sciences, New Delhi-110029	3045000

Physical and Mathematical Sciences (PM)

Sl. No.	Reference No. & Project Title	PIs Name & Address	Total Cost (in Rs.)
1.	SR/WOS-A/PM-54/2016 Investigation of optical properties of metal nanoparticles embedded conducting polymer	Ms Swatilekha Roy Jadavpur University, Kolkata-700032, WB	3184000
2.	SR/WOS-A/PM-7/2017 Fabrication and characterization of iron oxide nanostructures (IONS) for gas sensing and DSSC applications	Ms Julie Ann Joseph Union Christian College, Aluva-683102, Kerala	1473000
3.	SR/WOS-A/PM-9/2017 Unveiling physical conditions in Milky Way, LMC, SMC and high red-shifted Damped Lyman-alpha absorbers using 21 cm line	Dr Gargi Shaw Tata Institute of Foundation Research, 1, Homi Bhabha Road, Colaba, Mumbai-400005, Maharashtra	1780000
4.	SR/WOS-A/PM-27/2017 Solving differential equations using machine learning	Dr Susmita Mall National Institute of Technology Rourkela, Rourkela-769008, Odisha	2029000
5.	SR/WOS-A/PM-35/2017 Geometrically frustrated layered structures: synthesis and properties	Dr N. Sethulakshmi Indian Institute of Technology, Gandhinagar-382355, Gujarat	2328000
6.	SR/WOS-A/PM-39/2017 Green synthesis of silver / gold nanoparticles by using asclepiadaceae medicinal plant to enhancement of physical properties	Ms Hema Latha Chennamaneni MLR Institute of Technology and Management, Hyderabad-43, Telangana	3347000
7.	SR/WOS-A/PM-44/2017 Study of dielectric and electrical behavior of some biocompatible polymer blends and composites	Ms Sushama Jha Gujarat University, Ahmedabad-380009, Gujarat	2977000
8.	SR/WOS-A/PM-52/2017 Cross-section measurement of actinides and rare earth elements using neutron activation analysis with neutrons from nuclear reactor	Dr Ranjita Mandal Indian Institute of Technology Kharagpur, Kharagpur-721302, WB	2470000
9.	SR/WOS-A/PM-53/2017 Porous low-k films for advanced ULSI technology	Ms Swati Gupta North Maharashtra University, Jalgaon-425001, MS	1794000
10.	SR/WOS-A/PM-54/2017 Detection of cancer markers using metal oxide nanotubes immobilised with conducting polymers by photoelectrochemical biosensing	Dr P Chithra Lekha Indian Institute of Technology Madras, Chennai-600036, TN	3215000

11.	SR/WOS-A/PM-60/2017 Studies of CsPbBr ₃ perovskite nanocrystals as light emitters	Ms. Aparna Shivaji Shinde Savitribai Phule Pune University, Pune-411007, Maharashtra	2896000
12.	SR/WOS-A/PM-62/2017 String theory on integrable deformation of AdS	Dr Rashmi Rekha Nayak Indian Institute of Technology Kharagpur, Kharagpur-721302, WB	2874000
13.	SR/WOS-A/PM-63/2017 Acoustic energy absorption in ferromagnetic shape memory alloy polymer composites	Ms S.B.P Abirami Thiagarajar College of Engineering, Madurai-625015, TN	2370000
14.	SR/WOS-A/PM-65/2017 Fabrication of multiferroic thin films for possible applications in giantmagneto resistive devices	Ms KC Dhanyaprabha Christian College, Chengannur-689122, Kerala	1614000
15.	SR/WOS-A/PM-66/2017 Investigations on C-points and V-points generation, detection and manipulation methods	Dr Deepa Sathyanarayanan Indian Institute of Technology, Hauz Khas, New Delhi-110016	3160000
16.	SR/WOS-A/PM-70/2017 Fabrication of lead free perovskite solar cell: An approach towards environmental friendly and efficient solar cell	Dr Padmashri Vilasrao Pail Indian Institute of Technology Bombay, Powai, Mumabi-400076, Maharashtra	1190000
17.	SR/WOS-A/PM-71/2017 Engineering hematite nanostructure for an efficient photoelectro chemical hydrogen production	Ms Geerthana Mummoorthi Periyar University, Periyar Palkalai Nagar, Salem-636011, TN	3105000
18.	SR/WOS-A/PM-73/2017 Fluid-solid phase transition in a two-dimensional system	Dr Anubha Jaiswal Indian Institute of Technology (BHU), Varanasi-221005, UP	2139000
19.	SR/WOS-A/PM-74/2017 Study of ultra short powerful laser matter interaction with plasmas	Dr Meeenu Asthana Varshney Devi Ahilya Vishwavidyalaya, Indore-452001 MP	2775000
20.	SR/WOS-A/PM-77/2017 Homogenization of PDEs and asymptotic behaviour of optimal controls	Dr Indira Mishra IISER Bhopal, Bhopal-462066, MP	2515000
21.	SR/WOS-A/PM-78/2017 Study of black hole thermodynamics in modified and quantum theories of gravity	Dr Bhramar Chatterjee Indian Institute of Education and Research Kolkata-741246, WB	2995000
22.	SR/WOS-A/PM-80/2017 Study of transition metal impurity in sol-gel processed ZnO-SnO ₂	Ms Isha Arora D.A.V University, Jalandhar-144012, Punjab	3150000

	based ternary alloy films for transparent electronics and devices.		
23.	SR/WOS-A/PM-82/2017 Investigation of structural, electronic, magnetic and thermoelectric properties of rare-earth based heusler alloys: an ab-initio study	Ms Srishti Singh Jiwaji University, Gwalior-474011, MP	31220000
24.	SR/WOS-A/PM-84/2017 Electronic structure of rare earth and transition metal doped CeO ₂ nanomaterials to comprehend the mechanism for room temperature ferromagnetism in these compounds	Ms Mridula Dave Registrar, University of Kota, Kota-324010, Rajasthan	3155000
25.	SR/WOS-A/PM-86/2017 Numerical investigations on thermophysical properties of three dimensional nanofluids using two-phase model.	Ms Anitha Sakthivel Sri Ramakrishna Engineering College, Vattamalaipalayam, NGGO Colony Post, Coimbatore-641022, TN	2690000
26.	SR/WOS-A/PM-92/2017 Spintronics in graphene	Ms Ch. Vidyullatha CMR College of Engineering & Technology, Hyderabad-501401, Telangana	1688000
27.	SR/WOS-A/PM-93/2017 An evolutionary study via dust modelling of post-RGB stars in the magellanic Clouds	Dr Geetanjali Sarkar Indian Institute of Technology, Kanpur-208016, UP	2407000
28.	SR/WOS-A/PM-94/2017 Rheological study of sickle cell disease: A biomathematical and biomechanical approach	Dr Purnima Chaturvedi Jawaharlal Nehru University, New Delhi-110067	3185000
29.	SR/WOS-A/PM-95/2017 Deep learning approaches for search and retrieval of audio information	Ms Venkata Vijaya Lakshmi Gudipati International Institute of Information Technology, Hyderabad-500032,	2770000
30.	SR/WOS-A/PM-97/2017 Synthesis and characterization of rare earth fluoride nanomaterials and nanofibers for biomedical application	Ms S Namagal Anna University, Chennai-600025, TN	2940000
31.	SR/WOS-A/PM-98/2017 Study of neighbour balanced row-column designs under fixed and random row, column effects	Dr Sapan Sobita Devi Manipur University, Canchipur, Imphal-795003, Manipur	2407000
32.	SR/WOS-A/PM-100/2017 Development of nanogenerator based flexible, self powered gas	Dr Sumita Santra Indian Institute of Kharagpur, Kharagpur-721302, WB	2966000

	sensor		
33.	SR/WOS-A/PM-101/2017 Low energy electron collisions, radiation track structure and DNA damage by ionizing radiation.	Dr Pooja Bhowmik Mohan Lal Sukhadia University, Udaipur-313001, Rajasthan	2880000
34.	SR/WOS-A/PM-102/2017 Development of tandem PEC-PV cell using ECR microwave plasma surface modified heterojunctions of WO ₃ /BiVO ₄ photoanodes for hydrogen generation	Dr Vempuluru Madhavi Indian Institute of Science, Bangalore-560012, Karnataka	3210000
35.	SR/WOS-A/PM-105/2017 Thermocapillary driven convection of an electrically conducting nanofluid in an annular enclosure	Ms Kanimozhi Balasubramanian Bharathiar University, Coimbatore-641046, TN	1959000
36.	SR/WOS-A/PM-106/2017 Studies on new physics in quark lepton sector of standard model.	Dr. Aarti Girdhar Harish Chandra Research Institute, Chatnaag Road, Jhansi, Allahabad-211019, UP	2001000
37.	SR/WOS-A/PM-107/2017 Synthesis and characterization of graphene quantum dots and its applications in advanced energy storage as supercapacitors	Dr. Poonam Rani Kharangarh University of Delhi, Delhi-110007, Delhi	2392000
38.	SR/WOS-A/PM-109/2017 Information entropy in nonlinear physical systems	Ms. Pooja Thakur D.A.V University, Jalandhar-144012, Punjab	2995000
39.	SR/WOS-A/PM-110/2017 Development of cold sintered dielectrics for electronic applications	Dr. N Santha University of Kerala, Kariavattom, Trivandrum-695612, Kerala	3121000
40.	SR/WOS-A/PM-112/2017 First principle investigations of 2-D nitrides as electrode materials for alkali-ion batteries	Dr. Neha Tyagi Indian Institute of Information Technology, Design & Manufacturing, Jabalpur-482005, MP	3023000
41.	SR/WOS-A/PM-115/2017 Preparation and characterization of the multiferroic oxide thin film for solar cell application	Dr. T. Suneetha Indian Institute of Technology Bombay, Mumbai-400076, Maharashtra	2885000
42.	SR/WOS-A/PM-2/2018 A novel approach of developing silver iodide embedded silica aerogels seeding material for cloud seeding application (siesa)	Dr. Jyoti Digambar Nadargi Savitribai Phule Shikhashan Prasarak Mandals, Kegaon, Campus, Solapur-413255, Maharashtra	2870000
43.	SR/WOS-A/PM-7/2018	Ms. Rajamani Venkata Pappu	3167000

	New generation photonic crystal sensors	University of Hyderabad, Hyderabad-500046, Telangana	
44.	SR/WOS-A/PM-9/2018 Development of size and morphology controlled metal/metal oxide based nanocatalyst for electrochemical water splitting	Ms Pradnya Milind Bodhankar Mumbai University, Mumbai- 400098, Maharashtra	3160000
45.	SR/WOS-A/PM-10/2018 Bilinear pairing based biometric authentication and key agreement scheme for telecare medicine information systems (TMIS)	Ms Shaheenakhatoon Pt. Ravishankar Shukla University, Raipur-492010, Chhattisgarh	3131000
46.	SR/WOS-A/PM-12/2018 Estimation of errors in the measurement of mass from gravitational wave (GW) data.	Ms. Sangita Chatterjee Jadavpur University, 188 Raja S.C. Mallick Road, Jadavpur, Kolkata-700032, WB	2578000
47.	SR/WOS-A/PM-13/2018 Investigation of magnetocaloric effect in nanosized perovskite structured materials for possible magnetic refrigeration applications	Ms Swetha kalakuntla University College of Science, Osmania University, Hyderabad-500007, Telangana	2634000
48.	SR/WOS-A/PM-14/2018 Synthesis and characterization of rare earth activated Zirconiumbased phosphor for biomedical applications	Dr. Neha, Dubey Government Science College Durg-491001, Chhattisgarh	725000
49.	SR/WOS-A/PM-19/2018 Low cost photo-acoustic tomography system for non-invasive biomedical studies	Dr. Deepa Joshi Indian Institute of Technology Delhi, Hauz Khas, New Delhi-110016	3155000
50.	SR/WOS-A/PM-20/2018 The study of certain curves in paracontact metric 3-manifolds	Dr. Khushbu Srivastava Central University of Himachal Pradesh, Kangra-176206, Himachal Pradesh	3262000
51.	SR/WOS-A/PM-21/2018 Approximate methods to model cosmological non-linear large scale structure.	Dr. Sharvari Nadkarni Ghosh Indian Institute of Technology Kanpur, Kanpur-208016, UP	1974000
52.	SR/WOS-A/PM-23/2018 Bioactive properties of glasses/glass-ceramics synthesized from agricultural and food wastes	Ms Shivani Punj Thapar Institute of Engineering & Technology, Patiala-147004, Punjab	3185000
53.	SR/WOS-A/PM-25/2018 Steady-state and time-resolved measurements on the	Ms. Angana Goswami Gauhati University, Guwahati- 781014, Assam	2134000

	bioluminescence emissions from firefly		
54.	SR/WOS-A/PM-26/2018 Search for binary companions around millisecond pulsars	Dr. Arpita Choudhary The Institute of Mathematical Sciences, Chennai-600113, TN	3175000
55.	SR/WOS-A/PM-29/2018 Arbitrary lagrangian-eulerian finite element method for computation of multiphase flow with surfactants	Dr. Shweta Raturi Indian Institute of Technology, Kanpur-208016, UP	2903000
56.	SR/WOS-A/PM-30/2018 Arbitrary lagrangian-eulerian finite element method for computation of multiphase flow with surfactants	Dr. Sheelan Sengupta Indian Institute of Science Education and Research, (IISER) Pune, NCL, Dr Homi Bhabha Road, Pashan, Pune-411008, Maharashtra	2995000
57.	SR/WOS-A/PM-31/2018 Synthesis and characterization of non-lead based Nanostructure thin films for Electrocaloric properties	Dr. Amrita Singh University of Delhi, North Campus, Delhi-110007	3112000
58.	SR/WOS-A/PM-32/2018 Noninvasive investigation of stem cell differentiation using an in-house constructed two-photon fluorescence microscope	Dr. Geetha K. Varier Birla Institute of Technology & Science, Pilani, K. K. Birla Goa Campus, Zuarinagar, Goa-403726	2579000
59.	SR/WOS-A/PM-33/2018 Quest for experimental discovery of new topological semimetal candidates	Dr. Luminita Harnagea Indian Institute of Science Education and Research, Pune-411008, Maharashtra	2995000
60.	SR/WOS-A/PM-34/2018 Phase behaviour and directed transport in active colloidal system	Dr. Antina Ghosh Indian Institute of Science Education and Research, Pune-411008, Maharashtra	3160000
61.	SR/WOS-A/PM-39/2018 Magnetoplasmonic studies on cobalt and nickel based nanostructures	Ms B. Lakshmi Cochin University of Science and Technology, Kochi-682022, Kerala	3171000