

2019-2020 Projects Sanctioned by International Division

| S. No. | File No. | Project Title | PI Name | Name of Grantee Institution | Total Sanctioned Amount(Rs) | 1st Release | Date |
|--------|---------------------------|--|---------------------------|---|-----------------------------|-------------|------------|
| 1 | DST/INT/Thai/P-12/2019 | Development of Strategies for Improving Reliability and Economic Performance of Microgrid | Dr. Pravat Kumar Ray | National Institute of Technology, Rourkela, Odisha | 1095000 | 365000 | 27.05.2019 |
| 2 | DST/INT/Thai/P-13/2019 | Wireless Body Area Networks: A magnetic Induction Communication Perspective | Dr. Vinay Kumar | Visvesvaraya, National Institute of Technology, Nagpur, Maharashtra | 930000 | 310000 | 27.05.2019 |
| 3 | DST/INT/Thai/P-14/2019 | Investigation of Elastomeric Membrane Based Phonic Crystal Fiber Sensor for various applications | Dr. Ashish Kumar Ghunawat | Malaviya National Institute of Technology, Jaipur, Rajasthan | 723000 | 241000 | 27.05.2019 |
| 4 | DST/INT/Thai/P-11/2019 | Cellulose nanocrystal reinforced pH-responsive PVA-gum tragacanth based proangiogenic smart wound dressings for diabetic foot care | Dr. Indranil Banerjee | National Institute of Technology, Rourkela, Odisha | 1095000 | 365000 | 27.05.2019 |
| 5 | DST/INT/Thai/P-10/2019 | Fabrication of a Biodegradable Elastomeric Microfluidics device | Dr. Nirmal Mazumdar | Manipal Academy of Higher Education, Manipal, Karnataka | 1095000 | 365000 | 27.05.2019 |
| 6 | INT/NOR/RCN/ICT/P-03/2018 | Mathematical aspects of information transmission: effective error correcting codes (MAIT: EECC) | Prof. Sudhir R Ghorpade | Indian Institute of Bombay, Powai, Mumbai, Maharashtra | 2128500 | 769500 | 30.04.2019 |
| 7 | DST/INT/RUS/RSF/P-22 | Exotic Magnetic properties and spin dynamics of low | Dr. Panchanana Khuntia | Indian Institute of Technology, Madras, | 9089088 | 3029696 | 16.05.2019 |

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|----|-------------------------------------|---|------------------------------|--|---------|---------|------------|
| | | dimensional and frustrated quantum magnet | | Chennai, Tamil Nadu | | | |
| 8 | DST/INT/RUS/RSF/P-20 | Complex Cu-containing semiconductors and layered structures for economically-viable, environmentally-benign, and high-performance ultrathin solar cells | Dr. Shaibal Mukherjee | Indian Institute of Technology, Indore, Madhya Pradesh | 3683544 | 1841772 | 16.05.2019 |
| 9 | DST/INT/RUS/RSF/P-19 | Global knot theory invariants and classification | Dr. Krishnenedu Gongopadhyay | Indian Institute of Science Education & Research, Mohali, Chandigarh, Punjab | 3779400 | 1159800 | 18.06.2019 |
| 10 | DST/INT/Canada/IC-IMPACTS/P-13/2019 | Assessment of fire performance of structural elements and structural systems through conventional fire tests and hybrid fire simulation | Dr. Dipti Ranjan Sahoo | Indian Institute of Technology, New Delhi | 5999000 | 3192000 | 03.05.2019 |
| 11 | DST/INT/RUS/RSF/P-18 | Multistability and hidden attractors in dynamical systems | Prof. Manish Dev Shrimali | Central University of Rajasthan, Bandar, Sindri, Rajasthan | 6632556 | 2090436 | 29.05.2019 |
| 12 | INT/NOR/RCN/RE/P-01/2019 | Design and Development of modular multilevel converters for large scale grid connected Photovoltaic and Battery Energy storage systems | Prof. Anandarup Das | Indian Institute of Technology, New Delhi | 3380480 | 1183000 | 06.05.2019 |
| 13 | DST/INT/Canada/IC-IMPACTS/P-14/2019 | Fire Performance of Aged Reinforced Concrete Structures | Dr. Umesh Kumar Sharma | Indian Institute of Technology, Roorkee, Uttarakhand | 3845000 | 2527500 | 09.05.2019 |

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|----|----------------------------|--|------------------------|--|---------|---------|------------|
| 14 | DST/INT/RUS/RSF/P-37 | Two Phase High Speed Flows in Ground and Space Applications | Dr. T.M. Muruganandam | Indian Institute of Technology, Madras, Chennai, Tamil Nadu | 9998328 | 3332776 | 29.05.2019 |
| 15 | INT/Austria/BMWF/P-08/2018 | Single molecule biophysics using a small amplitude atomic force microscopy | Prof. Shivprasad Patil | Indian Institute of Science Education & Research, Pune, Maharashtra | 646800 | 323400 | 23.05.2019 |
| 16 | INT/Austria/BMWF/P-27/2018 | Magnitude and Pathways of Anthropogenic Platinum Group Elements: Emerging Environmental Contaminant in India | Prof. Indra S. Sen | Indian Institute of Technology, Kanpur, Uttar Pradesh | 663000 | 331500 | 23.05.2019 |
| 17 | DST/INT/Thai/P-08/2019 | 3D printed flexible optical fibers using biodegradable PHBV/Graphene Nanocomposites for Biophotonics applications | Dr. Rajini Nagarajan | Kalasalingam Academy of Research and Education, Virudhunagar, Tamil Nadu | 780000 | 260000 | 15.06.2019 |
| 18 | DST/INT/Thai/P-17/2019 | Service Oriented Participatory Platform for Local SDI: Smart Civic Services for Second Tier Cities in Thailand and India | Dr. Surya Durbha | IIT, Bombay, Maharashtra | 1095000 | 365000 | 15.06.2019 |
| 19 | DST/INT/Thai/P-16/2019 | Indo-Thai Collaboration for Studying pulsating variables at Different Evolutionary Stages | Dr. Aruna Goswami | Indian Institute of Astrophysics, Bangalore, Karnataka | 690000 | 230000 | 15.06.2019 |

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| 20 | DST/INT/Thai/P-15/2019 | Influence of massive stars on the formation and evolution of low mass stars | Dr. Saurabh | ARIES, Nanital, Uttarakhand | 765000 | 255000 | 15.06.2019 |
| 21 | DST/INT/UK/P-171/2017 | Concentrating Solar-Thermophilic Anaerobic Reactor for Municipal Solid Waste (COSTARMSW) | Prof. Virendra Kumar Vijay | Indian Institute of Technology, New Delhi | 2160000 | 1080000 | 19.06.2019 |
| 22 | DST/INT/UK/P-174/2017 | Waste to Engine Low Temperature Combustion of Sustainable Green Fuels | Dr. Duraisamy Ganesh | Anna University, Chennai | 2178000 | 1089000 | 19.06.2019 |
| 23 | DST/INT/UK/P-175/2017 | Developing Explainable Artificial Intelligence for Connected and Autonomous Vehicles | Prof. Pallab Dasgupta | Indian Institute of Technology, Kharagpur, West Bengal | 1760000 | 880000 | 19.06.2019 |
| 24 | DST/INT/UK/P-176/2017 | Secure and Resilient Cyberphysical Systems | Prof. Joy Kuri | Indian Institute of Science, Bangalore, Karnataka | 1298200 | 649100 | 19.06.2019 |
| 25 | DST/INT/UK/P-177/2017 | Analysis of Human Action in Unconstrained Videos | Prof. Subhasis Chaudhuri | Indian Institute of Technology, Bombay, Mumbai, Maharashtra | 1766000 | 883000 | 19.06.2019 |
| 26 | DST/INT/Thai/P-09/2019 | Computational studies of drug targets towards rational design of antiviral therapeutics for dengue infection | Dr. N. Latha | Sri Venkateswara College, New Delhi | 1095000 | 365000 | 19.06.2019 |
| 27 | DST/INT/BLR/P-27/2019 | Development of Novel Hybrid Composites for Bone Plastics Based on Biocompatible | Dr. Santosh Mysore Sridhar | Jyothy Institute of Technology, Bangalore, | 1040000 | 520000 | 26.06.2019 |

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| | | Calcium Phosphates and Biopolymers | | Karnataka | | | |
| 28 | DST/INT/BLR/P-23/2019 | Investigation of interfacial interaction and grain structure development in friction stir welds for dissimilar joining of high strength aluminum to titanium alloys | Dr. Adepu Kumar | National Institute of Technology, Warangal, Telangana | 1040000 | 520000 | 25.06.2019 |
| 29 | DST/INT/BLR/P-25/2019 | Designing of biocompatible coatings with antibacterial properties for polypropylene surgical meshes for improvement their functionality | Dr. Kunal Pal | National Institute of Technology, Rourkela, Odisha | 1040000 | 520000 | 25.06.2019 |
| 30 | DST/INT/BLR/P-26/2019 | Use of modular green wall technologies for the improvement of the air environment of buildings | Dr. Ajai Kumar Tiwari | Indian Agricultural Research Institute, New Delhi | 1040000 | 520000 | 25.06.2019 |
| 31 | DST/INT/Iran/P-05/2018 | Prediction and Validation of Interactions between Host Protein Deregulating the Multiple Singnalling Cascades in Hepatitis B Virus Related Hepatocellur Carcinoma: Cominbed Strategis Involving Tools of Bioinformatics and in Vitro Cell Culture System | Dr. Syed Naqui Kazim | Jamia Millia Islamia, New Delhi | 624880 | 312440 | 24.06.2019 |
| 32 | DST/INT/JSPP/P-284/2019 | Interfacial Multiferroic Magnonics: Understanding of Cross-Correlation towards Magnonic Logic Circuit Applications | Prof. Venkataiah Gorige | University of Hyderabad, Hyderabad | 646000 | 323000 | 26.06.2019 |

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| 33 | DST/INT/JSPS/P-285/2019 | Atomically precise alloy nanocluster as promising electro-catalyst for carbon dioxide and nitrogen reduction | Dr. Sukhendu Mandal | Indian Institute of Science Education and Research, Thiruvanthapuram, Kerala | 610000 | 305000 | 26.06.2019 |
| 34 | DST/INT/JSPS/P-287/2019 | Understanding toxicity and uptake of nanomaterials to edible plants during reuse of treated municipal wastewater as irrigation water | Dr. Arun Kumar | Indian Institute of Technology, New Delhi | 482000 | 241000 | 26.06.2019 |
| 35 | DST/INT/JSPS/P-288/2019 | Combinatorial exploration and property control of oxide based power semiconductors | Prof. Somu Kumaragurubaran | Indian Institute of Science Education and Research, Thiruvanthapuram, Kerala | 545000 | 272500 | 26.06.2019 |
| 36 | DST/INT/JSPS/P-289/2019 | Engineering photoluminescence of tungsten sulfide through doping and electrical biasing | Prof. Viswanath Balakrishnan | Indian Institute of Technology, New Delhi | 930000 | 465000 | 26.06.2019 |
| 37 | DST/INT/JSPS/P-290/2019 | Design of Two-Dimensionally Self-Assembled Organic Semiconductors | Dr. Suhrit Ghosh | Indian Association for the Cultivation of Science, Kolkata, West Bengal | 454000 | 227000 | 26.06.2019 |
| 38 | DST/INT/JSPS/P-291/2019 | Understanding the phase stability of oxides and nitrides in the context of fine tuning their | Dr. Ravi Kumar | Indian Institute of Technology, | 567000 | 283500 | 26.06.2019 |

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| | | functional properties | | Chennai, Tamil Nadu | | | |
| 39 | DST/INT/JSPS/P-292/2019 | Development of an integrated magnetic sensor featuring a microwave-assisted nanoferrite-film for high sensitivity magnetocardiographic measurement | Prof. Navakanta Bhat | Centre for Nano Science and Engineering, Indian Institute of Science, CV Raman Avenue | 586000 | 293000 | 26.06.2019 |
| 40 | DST/INT/JSPS/P-293/2019 | Fundamental Study on Carotid Artery Stenting using Numerical Simulation | Prof. Raghuvir Pai | Manipal Academy of Higher Education, Manipal University | 728000 | 364000 | |
| 41 | DST/INT/JSPS/P-298/2019 | Study of fault architecture deformation mechanisms and evolution of fault zone rocks with implications for seismicity in the upper and lower crust | Dr. Gautam Ghosh | Presidency University, Kolkata, West Bengal | 738000 | 369000 | 26.06.2019 |
| 42 | DST/INT/JSPS/P-300/2019 | Long term variation of solar ultraviolet radiation investigated from the Japan-Indian integrated database of solar chromospheric images | Prof. Dipankar Banerjee | Indian Institute of Astrophysics, Bangalore, Karnataka | 430000 | 215000 | 26.06.2019 |
| 43 | DST/INT/JSPS/P-301/2019 | Prediction, Detection and Monitoring System for Landslide in Hilly Region | Dr. Shubhankar Majumdar | National Institute of Technology, Shilong, Meghalaya | 626000 | 313000 | 26.06.2019 |

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| 44 | INT/AUSTRIA/BMWF/P-05/2018 | Morphologic evolution of small-scale solar flux tubes and its implication for MHD waves | Prof. Dipankar Banerjee | Indian Institute of Astrophysics, Bangalore, Karnataka | 796000 | 398000 | 25.06.2019 |
| 45 | DST/INT/JSPS/P-303/2019 | Cryptanalytic Study on Stream Ciphers | Prof. Santanu Sarkar | Indian Institute of Technology, Madras, Tamil Nadu | 431000 | 215000 | 26.06.2019 |
| 46 | DST/INT/RUS/RSF/P-34 | Controlling of the abnormal grain growth in friction stir weld joints of heat treatable aluminum alloy | Dr. Dheerendra Kumar Dwivedi | Indian Institute of Technology, Roorkee, Uttarakhand | 4625180 | 1560060 | 26.06.2019 |
| 47 | INT/Denmark/P-2/2019 | Data-Driven control and optimization for a highly Efficient Distribution Grid (ID-EDGE) | Prof. Narayana Prasad Padhy | Indian Institute of Technology, Roorkee, Uttarakhand | 17535472 | 9054800 | 26.06.2019 |
| 48 | DST/INT/DAAD/P-25/2019 | Synthesis of (Hydro) Gels Bearing Organo-catalysts for the use in Microfluidic Reactors | Dr. Leena Nebhani | Indian Institute of Technology, New Delhi | 1490000 | 745000 | 26.06.2019 |
| 49 | DST/INT/DAAD/P-25/2020 | Diffusion bonding for joining of similar and dissimilar metals using innovating approaches for enhanced joint performance | Dr. Dheerendra Kumar Dwivedi | Indian Institute of Technology, Roorkee, Uttarakhand | 712000 | 382000 | 26.06.2019 |
| 50 | DST/INT/RUS/RSF/P-36 | Development of thick and thin NiTi Shape memory alloy intelligent porous structures | Dr. I A Palani | Indian Institute of Technology, | 8119152 | 2706384 | 28.06.2019 |

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| | | using Laser and Wire Arc Additive Manufacturing WAAM for functional applications | | Indore, Madhya Pradesh | | | |
| 51 | DST/INT/RUS/RSF/P-26 | 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 | Dr. Rayala Suresh Kumar | Indian Institute of Technology, Chennai, Tamil Nadu | 8221896 | 2718808 | 28.06.2019 |
| 52 | DST/INT/DAAD/P-21/2019 | Mathematical models of non-local interactions: From explicit constructions of fractional derivatives and integrals by generalized special functions to functional analytic properties | Prof. Praveen Agarwal | Anand International College of Engineering, Jaipur, Rajasthan | 729900 | 433200 | 26.06.2019 |
| 53 | DST/INT/UK/P-170/2017 | Conversion of Wet Waste to Fuel and Value-Added Products using Hydrothermal Carbonization | Dr. Anurag Garg | Indian Institute of Technology, Maharashtra | 2690000 | 1345000 | 28.06.2019 |
| 54 | DST/INT/UK/P-179/2017 | CHARM: Context-aware Human Activity Recognition and Monitoring for intelligent vehicles | Prof. R. Venkatesh Babu | Indian Institute of Science, Bangalore, Karnataka | 3000816 | 1500408 | 28.06.2019 |
| 55 | DST/INT/UK/P-178/2017 | Development of Control and Power Electronics Schemes for a Smart Micro Grid with high penetration of PV Generation and Electric Vehicles | Prof. Bidyadhar Subudhi | National Institute of Technology, Rourkela, Odisha | 3497840 | 1748920 | 28.06.2019 |

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| 56 | DST/INT/RUS/RSF/P-23 | Investigation of multinucleon transfer, quasifission, fusion processes in reactions with heavy ions near and above the Coulomb barrier | Dr. Pushpendra P Singh | Indian Institute of Technology, Ropar, Punjab | 4057032 | 1443336 | 01.07.2019 |
| 57 | DST/INT/RUS/RSF/P-35 | Development of Nanostructured Titanium Implants with Bioactive and Antibacterial Composite Coatings for Dental and Maxillofacial Applications | Dr. Nagumothu Ramesh Babu | National Institute of Technology, Tiruchirapalli, Tamil Nadu | 9403920 | 3134640 | 01.07.2019 |
| 58 | DST/INT/RUS/RSF/P-25 | CO2 as a building block for synthesis of fine chemical and fuel over functionalized materials | Prof. Biswajit Chowdhury | Indian Institute of Technology, Dhanbad, Jharkhand | 6312032 | 2488336 | 01.07.2019 |
| 59 | DST/INT/UK/P-180/2017 | Digital Twin Modeling for Automation, Maintenance and Monitoring in Industry 4.0 Smart Factory | Prof. Hrishikesh Venkataraman | Indian Institute of Information Technology, Andhra Pradesh | 2353344 | 1176672 | 10.07.2019 |
| 60 | DST/INT/DAAD/P-28/2019 | Fate and transport of pesticides during bank filtration from managed aquifer recharge | Dr. S. Parimala Renqanayaki | VIT University, Vellore, Tamil Nadu | 686000 | 343000 | 10.07.2019 |
| 61 | DST/INT/RUS/RSF/P-33 | Impact of Climate Change on South Asia Extremes: A High-Resolution regional | Dr. Pankaj Kumar | Indian Institute of Science Education and Research, Bhopal, Madhya Pradesh | 11635456 | 7524736 | 12.07.2019 |

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| 62 | DST/INT/RUS/RSF/P-30 | P53 in regulation of Epithelial-Mesenchymal Transition in breast cancer Role of micro-RNA | Dr. Ritu Kulshreshtha | Indian Institute of Technology, New Delhi | 9629688 | 3209896 | 17.07.2019 |
| 63 | DST/INT/JSPP/P-294/2019 | Anti-microbial peptide (LL37) loaded multifunctional 3D collagen scaffold for vascularized bone tissue regeneration | Dr. PV Mohanan | Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvanthapuram, Kerala | 504000 | 252000 | 10.07.2019 |
| 64 | DST/INT/JSPP/P-295/2019 | Development of a biocompatible vehicle for sustained delivery of lactobacillus spores as treatment modalities for Bacterial Vaginosis | Prof. J. Ponmozhi | Institute of Engineering and Science, Indore, Madhya Pradesh | 588000 | 294000 | 10.07.2019 |
| 65 | DST/INT/JSPP/P-286/2019 | Magneto-Optic Sensor for Cardiac Biomarker Detection | Dr. R S Jayasree | Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvanthapuram, Kerala | 746000 | 373000 | 10.07.2019 |
| 66 | DST/INT/Canada/IC-IMPACTS/P-11/2019 | Improving Fire Safety of Structures through the Development of Fire Retardant Laminated Glass Glazing | Prof. Ajitanshu Vedrtnam | Invertis University, Bareilly, Uttar Pradesh | 2724600 | 1617300 | 10.07.2019 |
| 67 | DST/INT/JSPP/P-296/2019 | Role of gamma-delta T Cells in patients with complicated | Dr. Rakesh Sehgal | Postgraduate Institute of | 538000 | 269000 | 16.07.2019 |

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| | | malaria due to Plasmodium vivax and the development of diagnostic method for predicting the severity | | Medical Education and Research, Chandigarh, Punjab | | | |
| 68 | INT/AUSTRIA/BMWF/P-23/2018 | Optimization of pulse cleaning parameters for achieving high level performance of filter media during industrial pollution control | Dr. Arunangshu Mukhopadhyaya | National Institute of Technology, Jalandhar, Punjab | 869800 | 510000 | 16.07.2019 |
| 69 | DST/INT/Iran/P-03/2018 | Biofabricating micronutrient based nanoparticles as high performance fertilizer as their efficacy to increase nutrient use efficiency, plant growth and quality attributes of Medicinal crops (Trachyspermum ammi and Thymus daenesis) | Dr. P. Rajiv | Department of Biotechnology Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu | 761840 | 380920 | 17.07.2019 |
| 70 | DST/INT/DAAD/P-24/2019 | Disentangling Mass Changes of Debris-Covered Glaciers | Prof. A.L. Ramanathan | Jawaharlal University, New Delhi | 920000 | 460200 | 16.07.2019 |
| 71 | DST/INT/DAAD/P-19/2019 | Geo-electrical characterization of the fault zone in the Himalayan foothills and Sub-Himalayan region in and around Mohand area Uttarakhand | Dr. M. Israil | Indian Institute of Technology, Roorkee, Uttarakhand | 1180000 | 590000 | 15.07.2019 |
| 72 | DST/INT/DAAD/P-17/2019 | Massive parallel interconnect architectures for Vision Systems-on-Chip: Exploiting graphene nanophotonic technology | Dr. Brajesh Kumar Kaushik | Indian Institute of Technology, Roorkee, Uttarakhand | 1363800 | 679200 | 15.07.2019 |

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| 73 | DST/INT/DAAD/P-31/2019 | Targeting hypoxia microenvironment to mitigate endocrine resistance in breast cancer | Prof. Bramanandam Manavathi | Univerisity of Hyderabad, Telangana | 620000 | 310000 | 15.07.2019 |
| 74 | INT/Denmark/P-1/2019 | On Farm demonstation and performance analysis of an off grid renewable energy driven cold storage | Dr. Ramkishore Singh | Sardar Patel Renewable Energy Research Institute, Gujarat | 11435232 | 6635312 | 10.07.2019 |
| 75 | DST/INT/BLR/P-24/2019 | Effect of mitochondrial targeted peptides and modulators of mitochondrial activity on tumor cells in vitro and in vivo systems | Dr. Hamendra Singh Parmar | Devi Ahilya University, Indore, Madhya Pradesh | 1040000 | 520000 | 10.07.2019 |
| 76 | DST/INT/RUS/RSF/P-29 | Unraveling the molecular mechanism of lncRNAs involvement in Glioblastoma | Dr. Amit Kumar Pandey | Amity University, Manesar, Haryana | 7174032 | 2372336 | 18.07.2019 |
| 77 | DST/INT/DAAD/P-16/2019 | Environment stable electrolyte-gated circuits and applications | Dr. Subho Dasgupta | Indian Institute of Science , Bangalore, Karnataka | 1516000 | 758000 | 18.07.2019 |
| 78 | DST/INT/DAAD/P-18/2019 | Analysis and Numerical Methods for Population Balance Equations | Dr. Ankik Kumar Giri | Indian Institute of Technology, Roorkee, Uttarakhand | 571000 | 285600 | 18.07.2019 |
| 79 | DST/INT/RUS/RSF/P-24 | Development of Cyclic Saccharide-Based Synthetic Chloride Transporters and Evaluation of their Apoptosis | Dr. Pinaki Talukdar | Indian Institute of Science Education and | 9880736 | 2514176 | 18.07.2019 |

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| | | Including Activity | | Research, Pune, Maharashtra | | | |
| 80 | DST/INT/JSPS/P-299/2019 | Large-scale mapping of massive star-forming regions in the far-infrared (CII) emission with a balloon-borne telescope | Prof. Devendra K. Ojha | Tata Institute of Fundamental Research, Mumbai, Maharashtra | 610000 | 305000 | 18.07.2019 |
| 81 | DST/INT/DAAD/P-3/2019 | Estimation of physical properties of slag and investigation of slag morphology during solidification and development of mathematical model to estimate heat transfer coefficient in continuous casting molds | Dr. Ajay Kumar Shukla | Indian Institute of Technology | 1584000 | 372000 | 22.07.2019 |
| 82 | DST/INT/DAAD/P-15/2019 | Extreme events in networks of dynamical systems | Dr. Pinaki Pal | National Institute of Technology, Durgapur, West Bengal | 1180000 | 590000 | 22.07.2019 |
| 83 | DST/INT/UK/P-172/2017 | A New Framework of High Value Added Zero-waste Recycling of Construction and Demolition Waste | Prof. Ravindra Gettu | Indian Institute of Technology | 3385816 | 1692908 | 26.07.2019 |

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| 84 | DST/INT/DAAD/P-10/2019 | Modulating the reactivity of high-valent nonheme transition metal oxidants by tuning the ligand field enforced by substituted bispidine ligands | Dr. Chivukula V Sastri | Indian Institute of Technology, Guwahati, Assam | 890600 | 445300 | 24.07.2019 |
| 85 | DST/INT/BLR/P-30/2019 | In ₂ S ₃ /Sn(S,Se) thin film heterojunctions for photovoltaic applications | Prof. K T Ramakrishna Reddy | Sri Venkateswara University, Andhra Pradesh | 1260000 | 630000 | 22.07.2019 |
| 86 | DST/INT/DAAD/P-30/2019 | Prediction and mental construction of future events in younger and older drivers by means of assistive information | Prof. Azizuddin Khan | Department of Humanities and Social Sciences, Mumbai, Maharashtra | 1286000 | 643000 | 29.07.2019 |
| 87 | DST/INT/DAAD/P-32/2019 | Optimization of Wave Energy system - A Primitive Model for Indian Coastal Lines | Dr. Abdus Samad | Department of Ocean Engineering, Indian Institute of Technology | 664020 | 325760 | 29.07.2019 |
| 88 | DST/INT/DAAD/P-29/2019 | Functional Reactive Program Verification | Dr. Praveen Manjunatha | Chennai Mathematical Institute | 986000 | 493000 | 26.08.2019 |
| 89 | DST/INT/RUS/RSF/P-27 | Understanding CTD-chromatin crosstalk during transcription through nucleosome | Dr. Md Sohail Akhtar | CSIR Central Drug Research Institute, Lucknow, Uttar Pradesh | 12900456 | 4279736 | 20.08.2019 |
| 90 | DST/INT/RUS/RSF/P-21 | Cosmological dark matter, primordial black holes, Bose-Einstein condensates, and | Prof. Raghavan Ranarajan | Ahmedabad University, Gujarat | 4091088 | 1363696 | 09.08.2019 |

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| | | charge asymmetry of the Universe | | | | | |
| 91 | DST/INT/BLR/P-29/2019 | Screen printable metamaterial absorbers employing AgNW-MS2 (Mmo, W) hybrids | Dr. Surendran Kuzhichalil Peethambharan | CSIR National Institute for Interdisciplinary Science and Technology (NIIST), Kerala | 880000 | 440000 | 13.08.2019 |
| 92 | DST/INT/BLR/P-28/2019 | Rheophysics of semi-rigid road-building materials and optimization of their compositions for the perception of heavy transport load | Dr. Nikhil Saboo | Indian Institute of Technology, Varanasi, Uttar Pradesh | 1040000 | 520000 | 13.08.2019 |
| 93 | DST/INT/RUS/RSF/P-28 | Development of test methods for control of heavy metals in water for environmental monitoring and prevention of health risks | Prof. Mulayam Singh Gaur | Hindustan College of Science and Technology, Mathura, Uttar Pradesh | 3181672 | 1253336 | 13.08.2019 |
| 94 | DST/INT/DAAD/P-11/2019 | High Fidelity Surface Reconstruction from Noisy Point Sets with Topological Guarantee | Dr. . Ramanathan Muthuganapathy | Department of Engineering Design, IIT, Madras | 1584000 | 792000 | 13.08.2019 |
| 95 | INT/NOR/RCN/BIO/P-03/2018 | Greenhouse gas emissions from biogas digestate application to rice production systems | Dr. Tapan Kumar Adhya | KIIT University, Odisha | 4398440 | 1649480 | 24.07.2019 |
| 96 | INT/HUN/P-12/2017 | ICT Based Tools for Assessment and Improvement of Efficacy of Upper Limb Robotic Rehabilitation Using Thermographic Diagnostic Method | Dr. Prasant Mahapatra | CSIR-Central Scientific Instruments Organisation, Chandigarh, Punjab | 3454560 | 1371520 | 26.08.2019 |

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| 97 | DST/INT/DAAD/P-7/2019 | Distributed EV charge scheduling and consensus based control for EV charging network | Dr. Rajiv Misra | Indian Institute of Technology, Patna, Bihar | 882000 | 441000 | 26.08.2019 |
| 98 | DST/INT/DAAD/P-20/2019 | Development of Non-contact type method for heart vibration parameters estimation for sleep disordered breathing analysis | Dr. Sachin Singh | National Institute of Technology, New Delhi | 247000 | 123500 | 26.08.2019 |
| 99 | DST/INT/DAAD/P-13/2019 | Mxene Nanocomposites for Solid State Supercapacitors, Hybrid-Capacitors and Batteries | Dr. Sujin P. Jose | Department of Computational Physics School of Physics, Madurai Kamaraj University | 725000 | 310000 | 28.08.2019 |
| 100 | DST/INT/RUS/RSF/P-32 | Natural hazards and monitoring for mountain territories in Russia and India | Dr. G.P. Ganapathy | Centre for Disaster Mitigation and Management, Vellore Institute of Technology | 6866964 | 2250972 | 06.09.2019 |
| 101 | DST/INT/UK/P-173/2017 | Recycling Lithium ion batteries for a sustainable technological and economic development ReListed | Dr. Surendra Kumar Martha | Indian Institute of Technology, Telangana | 4297744 | 2148872 | 09.09.2019 |
| 102 | DST/INT/DAAD/P-8/2019 | Spin current transport across antiferromagnetic/metallix oxide interfaces | Prof. Dr. M.S. Ramachandra Rao | Indian Institute of Technology | 750000 | 375000 | 04.09.2019 |
| 103 | DST/INT/DAAD/P-22/2019 | Characterisation of Complex Droplets | Prof. . Saptarshi Basu | IISc, Bangalore, Karnataka | 1115400 | 482700 | 16.09.2019 |

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| 104 | DST/INT/BLG/P-03/2019 | Polarization sensitive auto-fluorescence spectroscopy and microscopy for cancer detection | Dr. Nirmal Mazumdar | Manipal Academy of Higher Education, Karnataka | 1182350 | 591175 | 18.09.2019 |
| 105 | DST/INT/BLR/P-15/2019 | Green and sustainable catalysts based on zeolites for oxidative transformation reactions | Dr. Utpal Bora | Tezpur University, Assam | 1182350 | 591175 | 18.09.2019 |
| 106 | DST/INT/BLR/P-11/2019 | Eruptions flows and waves in solar atmosphere and their role in space weather | Dr. Ramesh Chandra | DSB Campus, Uttarakhand | 1182350 | 591175 | 18.09.2019 |
| 107 | DST/INT/Canada/IC-IMPACT/P-12/2019 | Mobile App for improving survival in fires through efficient egress: The role of impromptu indoor WiFi localization and georeferenced building maps | Prof. Vinayak Naik | BITS Pilani KK Birla Goa Campus, Goa | 3831512 | 1760920 | 17.09.2019 |
| 108 | DST/INT/DAAD/P-9/2019 | Control and Observation of Stewart Platform | Prof. Bijnan Bandyopadhyay | IIT, Bombay, Maharashtra | 1584000 | 792000 | 17.09.2019 |
| 109 | DST/INT/BLG/P-07/2019 | Exploring ruthenium based metallodendrimers for improved anticancer activity and mode of action | Prof. Suman Mukhopadhyay | IIT, Indore, Madhya Pradesh | 1182350 | 591175 | 19.09.2019 |
| 110 | DST/INT/DAAD/P-5/2019 | Smart Services and Optimization for Microgrids (SSOM) | Dr. Aryadevi RD | Amrita Vishwa Vidyapeetham, Kerala | 885200 | 437600 | 16.09.2019 |
| 111 | DST/INT/BLG/P-04/2019 | Phase change material based thermal energy accumulators in solar thermal and waste-heat recovery systems | Dr. Subarna Maiti | CSIR-Central Salt & Marine Chemicals Research Institute, Gujarat | 1182350 | 591175 | 18.09.2019 |

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| 112 | DST/INT/BLG/P-10/2019 | Stable and High Sensitive Low Dimensional Perovskite Photodetectors | Dr. Habib M. Pathan | Savitribai Phule Pune University, Pune, Maharashtra | 1182350 | 591175 | 17.09.2019 |
| 113 | DST/INT/BLG/P-01/2019 | Design and Analysis of Mathmaterial Based Antenna for Wearable Application | Dr. Navneet Gupta | Birla Institute of Technology Science, Pilani, Rajasthan | 1182350 | 591175 | 19.09.2019 |
| 114 | DST/INT/BLG/P-05/2019 | FPGA based system for registration of diffraction patterns | Dr. Amita Nandal | Manipal University, Rajasthan | 1182350 | 591175 | 19.09.2019 |
| 115 | DST/INT/BLG/P-14/2019 | Exploiting the Zn-ferrite thin films material: an assortment of spintronics devices | Dr. Murtaza Bohra | Mahindra Ecole Centrale, Telangana | 1182350 | 591175 | 19.09.2019 |
| 116 | DST/INT/BLG/P-02/2019 | Advanced Coordinated Control and Protection of Intelligent DC Microgrids | Dr. Bharat Singh Rajpurohit | IIT, Mandi, Himachal Pradesh | 1182350 | 591175 | 23.09.2019 |
| 117 | INT/Denmark/P-3/2019 | Optimized Design and Operation of Hybrid Power Plant-HYBRIDize | Mr. S A Mathew | National Institute of Wind Energy, Pallikarani, Chennai | 14381920 | 3906992 | 23.09.2019 |
| 118 | DST/INT/DAAD/P-12/2019 | Synthesis, Reactivity and Bonding in Metal and Metal-free Borylenes | Dr. Ashwini Kumar Phukan | Tezpur University, Assam | 1368000 | 684000 | 25.09.2019 |
| 119 | DST/INT/DAAD/P-4/2019 | Interferometry with squeezed states for precision measurement | Dr. Devendra Kumar Mishra | Institute of Science, Banaras Hindu University, Uttar Pradesh | 491000 | 245500 | 25.09.2019 |

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| 120 | DST/INT/DAAD/P-26/2019 | Photovoltaic-driven adsorption and electrochlorination post-treatment coupled with riverbank filtration for sustainable drinking water production | Dr. Priyabrata Banerjee | CSIR-CMERI Mahatma Gandhi Avenue, West Bengal | 1130000 | 630000 | 17.10.2019 |
| 121 | DST/INT/DAAD/P-1/2019 | Optoacoustic microscope on a fiber tip for endoscopic applications | Prof. Samir K Mondol | CSIR-Central Scientific Instruments Organization, Chandigarh, Punjab | 1428000 | 584000 | 04.10.2019 |
| 122 | DST/INT/BLR/P-12/2019 | Contemporary approaches for processing and analysis of multidimensional signals in telecommunications | Dr. Parvinder Singh | Deenbandhu Chhot Ram University of Science & Technology, Murthal, Haryana | 1182350 | 591175 | 18.11.2019 |
| 123 | DST/INT/DAAD/P-23/2019 | Network models for climate studies | Prof. Neelima M Gupte | IIT Madras, Chennai | 1376000 | 688000 | 30.10.2019 |
| 124 | DST/INT/DAAD/P-2/2019 | Synergetic C-H functionalization of Arene/Heteroarene via Sequential Transition-metal and Photoredox Catalysis | Prof. Akhilesh K. Verma | University of Delhi, New Delhi | 1581000 | 790500 | 30.10.2019 |
| 125 | INT/NOR/RCN/BIO/P-01/2018 | Biotechnological Approaches for Prevention and Control of Fish Disease in Aquaculture (BIOQUA) | Dr. Biswajit Maiti | Centre for Science Education & Research (NUCSER), Nitte University, Mangalore, | 4532380 | 1877460 | 11.11.2019 |

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| | | | | Karnataka | | | |
| 126 | DST/NOR/RCN/RE/P-04/2019 | Grid Interconnection Protocols for Largely Dispersed Minigrids/Microgrids for Electrification of Rural India (MultiGrid) | Dr. Chandrasekhar Perumalla | IIT, Bhubaneswar, Odisha | 3206100 | 1000000 | 16.12.2019 |
| 127 | INT/NOR/RCN/BIO/P-04/2018 | Production of JP-8 Range Fuels and Chemicals from Pyrolysis bio-oil using Nanostructured Catalyst | Dr. A. Pandurangan | Department of Chemistry, Anna University, Chennai-600025 | 5022500 | 2022500 | 18.12.2019 |
| 128 | INT/NOR/RCN/P-02/2019 | Integrated Renewable Resources and Storage Operation and Management (IReSOpm) | Dr. Richa Negi | Motilal Nehru National Institute of Technology, Allahabad, Uttar Pradesh | 4652760 | 1503600 | 07.11.2019 |
| 129 | DST/INT/Iran/P-11/2018 | Development of a Stand-Alone Spray Assisted Solar Thermal Desalination System | Dr. Anil Kumar | Delhi Technological University, New Delhi | 517880 | 258940 | 06.12.2019 |
| 130 | DST/INT/Iran/P-09/2018 | Developing and antileishminal vaccine for non-clinical and Pre-clinical studies | Dr. Kalpana Pai | Baranasi Hindu University, Ajagara, Varanasi, Uttar Pradesh | 684800 | 342400 | 06.12.2019 |
| 131 | DST/INT/BLG/P-06/2019 | Exploring the natural diversity in tomato germplasm for phosphate starvation responses | Dr. Rahul Kumar | University of Hyderabad, Gachibowli, Hyderabad | 1182350 | 591175 | 04.12.2019 |

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| 132 | DST/INT/BLG/P-16/2019 | Capsicum germplasm exploitation for resistance against important capsicum viruses across Bulgaria and India | Dr. Pramesh | University of Agricultural Sciences, Gangavathi, Raichur, Karnataka | 1182350 | 591175 | 24.12.2019 |
| 133 | INT/NOR/RCN/BIO/P-02/2018 | C.R. Edit - RISPR/Cas9 edition to test and control genes implicated in influencing Aeromonas disease resistance in carp and salmon | Dr. P. K. Sahoo | ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha | 3484000 | 1274000 | 23.12.2019 |
| 134 | INT/RUS/RFBR/379 | Magnetic and spectral properties of novel Mnbased Heusler alloys for magnetoelectronics applications | Dr. Ajit Kumar Patra | Central University of Rajasthan, Ajmer, Rajasthan | 3318602 | 1659301 | 19.12.2019 |
| 135 | INT/RUS/RFBR/387 | Investigation of the influence of structural peculiarities of nuclei on the formation and decay of Hg and Pt isotopes in the heavy-ion reactions at energies around the Coulomb barrier | Prof. Moumita Maiti | Indian Institute of Technology, Roorkee, Uttarakhand | 3289600 | 1644800 | 19.12.2019 |
| 136 | INT/RUS/RFBR/369 | Surface Active Additives for Enhanced Flow Boiling in Microchannels | Dr. Rishi Raj | Indian Institute of Technology, Patna, Bihar | 1586800 | 793400 | 18.12.2019 |
| 137 | INT/RUS/RFBR/362 | Genomic and metagenomic studies of freshwater sponges (Porifera, Spongillida) in the two hot spots of speciation: Lake Baikal (Russia) and Western Ghats (India) | Prof. Joseph Selvin | Pondicherry University, Puducherry | 3258320 | 1629160 | 20.12.2019 |

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| 138 | INT/RUS/RFBR/381 | Investigation of ion-focusing mechanism based sheet beam driven sub-THz source for high power NDE application | Dr. Niraj Kumar | Central Electronics Engineering Research Institute, CSIR-CEERI, Pilani, Rajasthan | 2886602 | 1443301 | 20.12.2019 |
| 139 | INT/RUS/RFBR/389 | Design and optimization biocompatible optical nanostructures for biomedical applications | Prof. Ramesh Chandra | University of Delhi, New Delhi | 3938404 | 1969202 | 20.12.2019 |
| 140 | INT/RUS/RFBR/371 | Studies on translesion DNA synthesis by human PrimPol across N2-dG adducts | Prof. Pradeep Kumar | Indian Institute of Technology Bombay, Mumbai, Maharashtra | 2516800 | 1258400 | 20.12.2019 |
| 141 | INT/RUS/RFBR/375 | Preparation and properties of self-healing polymer based nanohybrid materials for energy harvesting application | Prof. Bal Chandra Yadav | Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh | 1544800 | 772400 | 07.01.2020 |
| 142 | DST/INT/DAAD/P-14/2019 | Archival Vector DNA Data Storage | Prof. Manish K Gupta | Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat | 1278000 | 639000 | 13.01.2020 |
| 143 | INT/BELG/P-09/2017 | Belgo-Indian Network for | Prof. Santosh Joshi | Aryabhata | 3370690 | 827901 | 17.01.2020 |

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| | | astronomy & astrophysics (Part-2) | | Research Institute of Observational Sciences (ARIES), Nainital, Uttarakhand | | | |
| 144 | DST/INT/JSPS/P-297/2019 | Mathanogenic bioelectrode driven conversion of CO ₂ to CH ₄ to enhance methanogenesis and mitigation of greenhouse gas from agrowaste based bioenergy systems | Dr. Santosh Ranjan Mohanty | ICAR Indian Institute of Soil Science, Bhopal, Madhya Pradesh | 760000 | 380000 | 21.01.2020 |
| 145 | INT/RUS/RFBR/355 | Evolution of ductility of bulk amorphous alloys Zr based subjected to severe plastic deformation and other treatments | Prof. Jatin Bhatt | Visvesvaraya, National Institute of Technology, Nagpur, Maharashtra | 1043400 | 521700 | 21.01.2020 |
| 146 | INT/RUS/RFBR/384 | Development of bioactive yet antibacterial coatings with enhanced osseointegration and ability to fight infection | Dr. B Subramanian | CSIR-Central Electrochemical Research Institute, Karaikudi | 2444600 | 1222300 | 21.01.2020 |
| 147 | INT/RUS/RFBR/383 | Multiple reversal of the Sun's polar-fields and their physical causes | Dr. Bidya Binay Karak | Indian Institute of Tehnology, Varanasi, Uttar Pradesh | 1034680 | 523280 | 21.01.2020 |

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| 148 | INT/RUS/RFBR/363 | Basic Approaches for the Development of Biochar and Rhizobacteria Based Bioformulation and its Effects on Crop Growth and Productivity in Heavy Metal Contaminated Arid/Semi-Arid Regions in India and Russia | Prof. Mani Rajkumar | Bharathiar University, Coimbatore | 2307284 | 1153642 | 21.01.2020 |
| 149 | INT/RUS/RFBR/394 | Compact "Table-Top" Powerful Terahertz source by laser-matter interactions and some applications | Dr. Devki Nandan Gupta | University of Delhi, New Delhi | 2433164 | 1216582 | 21.01.2020 |
| 150 | INT/RUS/RFBR/360 | Emergence of coherent structures in brain neural network during sensory information processing experiment and theoretical analysis | Dr. Dibakar Ghosh | Indian Statistical Institute, Kolkata, West Bengal | 1634200 | 817100 | 21.01.2020 |
| 151 | INT/RUS/RFBR/390 | Investigation of clay minerals for eco-friendly slow-release fertilizers | Prof. Santanu Banerjee | Indian Institute of Technology, Bombay, Mumbai, Maharashtra | 2463728 | 1231864 | 22.01.2020 |
| 152 | INT/RUS/RFBR/374 | Design and investigation of new multicomponent crystalline forms of nonsteroidal antiandrogen drugs | Dr. B Sridhar | CSIR-Indian Institute of Chemical Technology, Hyderabad, Telangana | 2089616 | 1044808 | 22.01.2020 |
| 153 | INT/RUS/RFBR/366 | Estimation of heat content and its variability depending on the determining factors in the Arctic | Prof. P Shanmugam | Indian Institute of Technology, | 2757164 | 1378582 | 03.02.2020 |

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| | | seas from multi-mission satellite and in-situ observation data | | Chennai | | | |
| 154 | DST/INT/Iran/P-04/2018 | Development of Biodegradable Nano-formulation to control post Harvest losses in vegetable and fruits | Dr. Vinod Saharan | Maharana Pratap University of Agriculture and Technology, Rajasthan | 560680 | 280340 | 23.01.2020 |
| 155 | INT/RUS/RFBR/385 | Study of bioelectrochemical properties of the PEDOT/thermally expanded graphite/biocatalyst composite for Microbial fuel cell | Dr. Ashok Kumar Sundramoorthy | SRM Institute of Science and Technology | 2891040 | 1445520 | 24.01.2020 |
| 156 | INT/RUS/RFBR/370 | Distinct Phase stabilisation and its structural impact on magnetoelectric coupling in pyrochlore $\text{Bi}_{2-x}\text{M}_x\text{WO}_6$ (M= Mn, Fe, Co) for induced multiferroicity | Prof. Balakumar | University of Madras | 2335168 | 1167584 | 24.01.2020 |
| 157 | INT/RUS/RFBR/388 | Experimental and numerical research on contact friction in the process of plastic deformation by means of compression with torsion | Prof. Uday Shanker Dixit | Indian Institute of Technology, Guwahati, Assam | 2629152 | 1314576 | 24.01.2020 |
| 158 | INT/RUS/RFBR/373 | Radical based homo and heterometallic 4f and 3d/4f assemblies Design, structure and physicochemical properties | Dr. Abhishake Mondal | Indian Institute of Science, Bangalore, Karnataka | 3297164 | 1648582 | 24.01.2020 |
| 159 | INT/RUS/RFBR/361 | Quasi-static and Dynamic Strength of Ultrahigh Performance Concrete | Dr. Mohd. Ashraf Iqbal | Indian Institute of Technology, | 2660602 | 1330301 | 24.01.2020 |

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| | | | | Roorkee, Uttarakhand | | | |
| 160 | DST/INT/BLG/P-13/2019 | Processing and characterziation of hybrid non-equilibrium composites fabricated by Friction Stir Processing (FSP) | Dr. Krishna Kishore Mugada | Gayatri Vidya Parishad College of Engineering, Vishakhapatnam, Andhra Pradesh | 1182350 | 591175 | 27.01.2020 |
| 161 | DST/INT/Iran/P-02/2018 | Identification of potential biomarkers in donor cows for in vitro embryo production by integrative genomic and system biology approches | Dr. Sukanta Mondal | ICAR-National Institute of Animal Nutrition and Physiology, Adugodi, Bangalore, Karnataka | 667680 | 333840 | 27.01.2020 |
| 162 | INT/RUS/RFBR/377 | Performance Evaluation of Stochastic Models for High Performance, Distributed and Ubiquitous Computing Systems and Automatic Repeated with Error Control Systems by Matrix Analytic and Regenerative Approaches | Dr. B. Krishna Kumar | Anna University, Chennai, Madras | 2227164 | 1113582 | 28.01.2020 |
| 163 | INT/RUS/RFBR/376 | Technology of nanocomposite materials with discotic liquid crystals and nanoparticles for electrooptic devices with enhanced performances | Prof. Sandeep Kumar | Raman Research Institute, Bangalore, Karnataka | 2980800 | 1490400 | 03.02.2020 |

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| 164 | INT/RUS/RFBR/368 | Geochemistry, detailed mineral chemistry and ore potential of Amba Dongar and Newania carbonatite complexes | Dr. Arundhuti Ghatak | Indian Institute of Science and Education and Research, Bhopal, Madhya Pradesh | 3350884 | 1675442 | 03.02.2020 |
| 165 | INT/RUS/RFBR/367 | Development of novel mechanical characterization method for bio-polymeric nanomaterials using newly fabricated micro and nano-mechanical tools | Dr. Ramesh Subramani | PSGR Krishnammal College for Women, Coimbatore | 3502640 | 1806320 | 03.02.2020 |
| 166 | INT/RUS/RFBR/358 | Nonlinear Dynamics and Acoustics of Metamaterial Structures | Dr. K R Jayaprakash | Indian Institute of Technology, Gandhinagar, Gujarat | 2602900 | 1301450 | 03.02.2020 |
| 167 | INT/RUS/RFBR/354 | Development of Heat Transfer Enhancement Methods at Boiling and Evaporation on Horizontal Tube Bundles for Falling Films and Forced Flow of Liquids | Dr. Mihir Kumar Das | Indian Institute of Technology, Bhubaneswar, Odisha | 3026884 | 1783442 | 03.02.2020 |
| 168 | INT/RUS/RFBR/380 | Development of theranostic targeted magnetic nanoparticles for diagnostics and treatment of tuberculosis | Dr. Avinash Sonawane | Indian Institute of Technology, Indore, Madhya Pradesh | 4096884 | 2048442 | 03.02.2020 |
| 169 | INT/RUS/RFBR/395 | Targeting c-FLIP-CaM interaction to resensitize tumor | Dr. Kakoli Bose | TATA Memorial | 4515728 | 2419864 | 06.02.2020 |

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| | | cells to death ligands for potential anticancer treatments | | Centre, ACTREC, Navi Mumbai, Maharashtra | | | |
| 170 | DST/INT/Iran/P-06/2018 | Transport of dissolved methane plumes in groundwater: experimental and numerical investigations | Dr. M. Devasena | Department of Civil Engineering, PSG Institute of Technology and Applied Research | 560680 | 280340 | 12.02.2020 |
| 171 | INT/RUS/RFBR/357 | Quaternary paleoclimate and paleoecology via multiproxy analysis of paleosol sequences across the Russian Plain and Himalaya | Prof. Pankaj Srivastava | University of Delhi, New Delhi | 2541164 | 1270582 | 11.02.2020 |
| 172 | DST/INT/BLG/P-08/2019 | Purification of Hafnium metal sponge using Electron Beam melting and preparation of hafnium metal targets for electronic applications | Dr. R. Ratheesh | Center for Materials for Electronics Technology, Hyderabad, Telangana | 1182350 | 591175 | 11.02.2020 |
| 173 | INT/RUS/RFBR/382 | Emotion Classification in Children's Speech by Humans and Machines Cross - Cultural Study | Dr. N.Ruban | Vellore Institute of Technology | 3259672 | 1932336 | 17.02.2020 |
| 174 | DST/INT/FINLAND/Call-2018/11 | Indo-Finnish Joint Call for Applications for Mobility of Researchers | Prof. Sitabhra Sinha | Institute of Mathematical Sciences (IMSc) | 445500 | 400000 | 10.07.2019 |
| 175 | DST/INT/FINLAND/Call-2018/12 | Indo-Finland Joint Call for Mobility of researchers | Prof. Vimal Bhatia | Indian Institute of Technology, | 297000 | 250000 | 10.07.2019 |

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| | | | | Indore, Madhya Pradesh | | | |
| 176 | DST/INT/13th ASC/2019 | 13th Asian Science Camp 2019 | NA | Indian Institute of Science, Bangalore, Karnataka | 2395885 | 2300000 | 18.07.2019 |
| 177 | DST/IMRCD/BRICS/ECM /2019/2 | Expert Committee Meeting at Andhra University Visakhapatnam during 29th, 30th & 31st July, 2019 for evaluation of BRICS R&D project proposals | Prof. Rama Rao | Andhra University, Visakhapatna m, Andhra Pradesh | 920000 | 900000 | 24.07.2019 |
| 178 | INT/BLR/WS-1/2019 | India-Belarus Seminar on "Nanomaterials and Advanced Materials" | Dr. G Padmanabham | ARCI, Hyderabad, Telangana | 960000 | 900000 | 09.08.2019 |
| 179 | INT/France/INRIA/Call- 2016 | France Fourth targeted joint call for proposals in the area of Information and communication Science & Technology Science | Dr. Purnima Rupal | Indo-French Centre for the Promotion of Advanced Research, New Delhi | | | |
| 180 | DST/INT/USA/FORUM/F UNDS/2010-Vol.II/II/2 | Govt. of India's Matching Core Grants to Indo-US Science & Technology Forum | NA | Indo-US Science & Technology Forum | 12371608 | 12371608 | 21.08.2019 |
| 181 | INT/US/IUSTEF/10 | INDO US ENDOWMENT BOARD | NA | Indo-US Science & Technology Forum | 26500000 | 26500000 | 26.08.2019 |
| 182 | INT/Singapore/WS- 1/2019 | Business and Innovation Summit at Singapore during | Dr. Vipin Kumar | National Innovation | 1045000 | 1045000 | 28.08.2019 |

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| | | September, 2019 | | Foundation, Ahmedabad, Gujarat | | | |
| 183 | IMRC/BRICS/BYSF/NIAS/ 2019 | BRICS Young Scientist Forum Secretarit (NIAS) | NA | Indian Institute of Science, Bangalore, Karnataka | 6300000 | 6300000 | 29.08.2019 |
| 184 | DST/IMRCD/EU/Water- Call/3rd GRM2019 | India-EU Water Projects | Prof. Rajendra Prasad Patury | Andhra University, Visakhapatna m, Andhra Pradesh | 365500 | 365500 | 30.08.2019 |
| 185 | INT/RUSSIA/ICSTI/2019 | Hosting 70th CPR of ICSTI member states and International Conference during September 18 - 20, 2019 at New Delhi | Dr. Manoj Kumar Patairiya | CSIR-National Institute of Science Commuation and Information Resources, New Delhi | 2235450 | 2000000 | 30.08.2019 |
| 186 | INT/DST/UKIERI/2013 | India-UKIERI workshop in INSA | Shri. Sunil Zokarkar | Indian National Science Academy, New Delhi | 247500 | 222750 | 05.09.2019 |
| 187 | INT/FRANCE/INRIA/Call- 2018 | Release of fund to IFCPAR for proposal selected under DST- INRIA MoU against Sixth joint call-2018 | Dr. Purnima Rupal | Indo-French Centre for the Promotion of Advanced Research, New Delhi | 3660084 | 1220028 | 09.09.2019 |
| 188 | INT/France/CNRS/Call- | Launching joint call for proposal | Dr. Purnima Rupal | Indo-French | 16155870 | 5237123 | 09.09.2019 |

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| | 2018 | under the MoU between DST and CNRS France | | Centre for the Promotion of Advanced Research, New Delhi | | | |
| 189 | DST/INT/RFP-India-Canada 2018 | Co-development of innovative strategies for toxicology and Analytical procedures | Smt. Ritika Jain | Global Innovation and Technology Alliance, New Delhi | 16500000 | 7550000 | 26.09.2019 |
| 190 | DST/INT/JSPS/WS-22/2019 | Frontiers in Molecular Spectroscopy: From Fundamentals to Applications in Chemistry and Biology | Prof. Amalendu Chandra | Indian Institute of Technology, Kanpur, Uttar Pradesh | 906000 | 906000 | 25.09.2019 |
| 191 | INT/France/RCF/2019 | Raman-Charpak Fellowship for the Indian PhD students and French PhD and Master students | Dr. Purnima Rupal | Indo-French Centre for the Promotion of Advanced Research, New Delhi | 15000000 | 15000000 | 30.09.2019 |
| 192 | INT/RUS/RFBR/P-193 | | Dr. Manash Ranjan Das | CSIR-North East Institute of Science and Technology, Assam | | | 09.10.2019 |
| 193 | DST/IMRCD/INNO INDIGO/Health Review/2019 | Financial approval for organizing Terminal Review meeting of DST supported India-EU INNO INDIGO Health Projects | Prof. Man Mohan Mehndiratta | Super Speciality Hospital Society, New Delhi | 293500 | 293500 | 21.10.2019 |

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| 194 | DST/INT/JSPS/WS-23/2019 | Joint Workshop on “Materials and Manufacturing for Next Generation Electric and High Speed Railway” under India-Japan Cooperative Science Programme to be implemented by Prof. R. Gnanamoorthy, Indian Institute of Technology Madras | Prof. R. Gnanamoorthy, | Indian Institute of Technology Madras, Chennai-600036, Tamil Nadu | 725000 | 725000 | 03.12.2019 |
| 195 | DST/INT/FINLAND/Call-2018/13 | Indo-Finnish Joint Call for Applications for Mobility of Researchers | Dr. Tony D.S. Raj | St. John's Research Institute, Bangalore, Karnataka | 121000 | 121000 | 30.10.2019 |
| 196 | DST/INT/JSPS/JIFAS/2020 | India Japan Joint Workshop & Expository Tutorial Session in Quantum Computation and Quantum Information” under the programme India-Japan Forum for Advanced Study to be held at Indian Statistical Institute, Kolkata | Prof. Bimal Kumar Roy | Indian Statistical Institute, Kolkata, West Bengal | 823000 | 750000 | 11.11.2019 |
| 197 | DST/INT/Finland/Call-2018 | Indo-Finland joint call for mobility of researchers | Dr.Sahely Bhadra | Indian Institute of Technology, Palakkad, Kerala | 1000000 | 900000 | 26.11.2019 |
| 198 | INT/ITALY/WS-2/2019 | Indo Italian on site outreach workshop on collaborative Research programme "From Laboratory to Conservation Site' | Dr. Anuradha Chaturvedi | School of Planning and Achitecture, New Delhi | 144000 | 125000 | 28.11.2019 |
| 199 | INT/RUS/RFBR/392 | Polysaccharide based activatable vesicle for | Dr. Sankarprasad Bhuniya | JIS Institute of Advanced | 3172640 | 1586320 | 06.02.2020 |

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| | | programmed delivery chemotherapeutic | | Studies and Research, Kolkata, West Bengal | | | |
| 200 | DST/IMRCD/India- EU/Water Call 2/SARASWATI 2.O/2018 | Identifying best available technologies for decentralized wastewater treatment and resource recovery for India | Prof. M.M. Ghangrekar | Indian Institute of Technology, Kharagpur, West Bengal | 24953200 | 14924880 | 11.03.2020 |
| 201 | DST/IMRCD/India- EU/Water Call 2/SARASWATI 2.O/2018 | Identifying best available technologies for decentralized wastewater treatment and resource recovery for India | Prof. A A Kazmi | Indian Institute of Technology, Roorkee, Uttarakhand | 16077440 | 9592520 | 11.03.2020 |
| 202 | DST/IMRCD/India- EU/Water Call 2/SARASWATI 2.O/2018 | Identifying best available technologies for decentralized wastewater treatment and resource recovery for India | Prof. Ligy Philip | Indian Institute of Technology | 16453320 | 11522560 | 11.03.2020 |
| 203 | DST/IMRCD/India- EU/Water Call 2/SARASWATI 2.O/2018 | Identifying best available technologies for decentralized wastewater treatment and resource recovery for India | Prof. M Behera | Indian Institute of Technology, Bhubaneswar, Odisha | 11543440 | 7045520 | 11.03.2020 |
| 204 | DST/IMRCD/India- EU/Water Call 2/SARASWATI 2.O/2018 | Identifying best available technologies for decentralized wastewater treatment and resource recovery for India | Prof. Anju Singh | National Institute of Industrial Engineering, Mumbai, Maharashtra | 13708320 | 7947560 | 11.03.2020 |
| 205 | DST/IMRCD/India- EU/Water Call 2/SARASWATI 2.O/2018 | Identifying best available technologies for decentralized wastewater treatment and | Dr. Vivekanand | Malaviya National Institute of | 8590800 | 4887200 | 11.03.2020 |

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| | | resource recovery for India | | Technology, Jaipur, Rajasthan | | | |
| 206 | DST/IMRCD/India-EU/Water Call 2/SARASWATI 2.0/2018 | Identifying best available technologies for decentralized wastewater treatment and resource recovery for India | Dr. Sukanya Das | TERI School of Advanced Studies, New Delhi | 2433360 | 305000 | 11.03.2020 |
| 207 | DST/IMRCD/BRICS/Pilot Call 3/TCLB/WBBUICE/2019 | TCLB/WBBUICE- Thermochemical Conversions of Lignocellulosic Biomass/Wastes into Bioenergy and Biofuels with its Utilization in Internal Combustion Engine | Prof. K A Subramanian | Centre for Energy Studies, Indian Institute of Technology, New Delhi | 4249392 | 2100464 | 21.02.2020 |
| 208 | INT/RUS/RFBR/356 | Development of composite thin films with simultaneous diffraction and magnetic properties | Dr. V N Lad | Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat | 2530884 | 1346442 | 21.02.2020 |
| 209 | INT/RUS/RFBR/393 | Hybrid Deep Learning for Indo-Russian Sign Language Recognition | Dr. R Elakkiya | SASTRA University | 2264172 | 1206336 | 24.02.2020 |
| 210 | DST/INT/WS-1/20 | Big Data And Precision Medicine | Prof. Sanjeeva Srivastava | Indian Institute of Technology, Mumbai, Maharashtra | 812500 | 731250 | 14.02.2020 |
| 211 | INT/RUS/RFBR/393 | Cross-linked Heterostructures of h-BCN Nanowalls and Two-Dimensional Nanosheets | Dr. Eswariah Varrla | SRM University | 2552800 | 1441400 | 10.02.2020 |
| 212 | INT/RUS/RFBR/378 | Phase sensitive amplifiers with novel dispersion-tailored fibers | Dr. Deepa Venkitesh | Indian Institute of Technology | 3065418 | 1532709 | 03.02.2020 |

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| 213 | INT/RUS/RFBR/372 | Development of Novel Hybrid Materials Based on Mesoporus MOFs and Encapsulated Au/Ag Nanoparticles for Catalytic Conversion of Acetylenic Molecules and Sensing Applications | Dr. Kamal Kumar Bisht | RCU Government Post Graduate College Uttarkashi, Uttarakhand | 3524602 | 1456301 | 24.01.2020 |
| 214 | INT/RUS/RFBR/359 | Synthesis of novel half-sandwich cobalt complexes and their application in c-h bond functionalization reactions | Dr. Basker Sundararaju | Indian Institute of Technology, Kanpur, Uttar Pradesh | 2240800 | 1120400 | 27.01.2020 |
| 215 | INT/NOR/RCN/P-04/2019 | Grid Interconnection Protocols for Largely Dispersed Minigrids/Microgrids for Electification of Rural India (MultiGrid) | Dr. Chandrasekhar Perumalla | Indian Institute of Technology, Bhubaneswar, Odisha | 3206100 | 1000000 | 16.12.2019 |
| 216 | DST/INT/JSPP/WS-22/2019 | Development of Sustainable Environment/Energy Technologies in South India | Dr. Doraiswamy Mohan | Science and Humanities, Rajalakshmi Engineering College | 385000 | 385000 | 11.12.2019 |
| 217 | DST/INT/AUS/SKA-WS/2019 | India-Australia Research and Development in Radio Astronomy Workshop | Prof. Yashwant Gupta | Tata Institute of Fundamental Research, Pune, Maharashtra | 925000 | 800000 | 28.10.2019 |
| 218 | DST/INT/BLG/P-09/2019 | Ultrahigh-Efficiency lead free | Dr. Ajaya Kumar Singh | Govt. V.Y.T. | 1182350 | 591175 | 16.10.2019 |

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| | | perovskite Solar Cells | | PG. Autonomous College, Durg, Chhattisgarh | | | |
| 219 | DST/INT/JAP/RML/2019 | Time-Domain Raman Spectroscopy and Its Applications to Ultrafast Photochemical/Photobiological Reactions | Prof. M Lakshmi Kantam | Institute of Chemical Technology, Mumbai, Maharashtra | 295500 | 230000 | 05.02.2020 |