





36	Investigations into the cancer chemopreventive activities of the dietary flavonol fisetin	Prof. Rana P. Singh	School of Life Sciences, Jawaharlal Nehru University, New Delhi, India	New Delhi		Delhi			19.12.2016	19.12.2019	Rs.37.74,140/-	Rs 12,11,730/-						
37	Development of innovative Indigenous knowledge system (KS)-based new cosmetic material: Isolation, extraction and chemical profiling of melatonin biosynthesis pathways-based natural compounds from Indian and South African medicinal plants	Dr. Sandeep Chauthary	Department of Chemistry, Malaviya National Institute of Technology, Jaipur Jawaharlal Nehru Marg, Jaipur, Rajasthan, India	Jaipur		Rajasthan			08.11.2016	08.11.2019	Rs.33,36,090/-	Rs 10,80,350/-						
38	In vitro mass culture of Steinerema jeffreyense, a biocontrol agent key insect pests	Dr. Prasanna Belur D	Chemical Engineering, National Institute of Technology Karnataka(NITK), Surathkal, Srinivasanagar, Mangalore, India	Srinivasanagar		Mangalore			07.12.2016	07.12.2019	Rs.28,16,230/-	Rs 7,99,600/-						
39	Development and Standardization of Harpagophytum procumbens (Devil's Claw) herbal formulations for the treatment of low back pain as per regulatory requirements	Prof. Buchi N. Nalluri	KVSR Siddhartha College of Pharmaceuticals Sciences, Siddhartha Nagar, Vijayawada Andhra Pradesh, India	Vijayawada		Andhra Pradesh			17.11.2016	17.11.2019	Rs.29,72,250/-	Rs 9,76,350/-						
<b>JAPAN</b>																		
40	Development of nanocatalysts for the sustainable synthesis of novel C5-curcuminoid-indolizine/quinoline/benzofurans hybrids as anticancer agents	Prof. Diwan S. Rawat	Department of Chemistry, University of Delhi	North Campus, Delhi-110007, India.		Delhi	It is anticipated that this collaborative work will result in a molecule/material of medicinal importance and will lead to high impact publications and patents.	Synthesis and characterization of various nanomaterials to explore their applications as heterogeneous catalysts. Optimization of reaction conditions and synthesis of proposed hybrid derivatives using nanocatalysts. Biomedical application of synthesized C5-curcuminoid hybrids and their composites with metal NPs as anticancer agents against cancer cell lines and also as radioprotectors.	11.07.2016	2 years	5,16,000/-	2,50,000/-						
41	2D/3D Molecular Patterns over Broad Length Scales: Versatility in Molecular Synthesis, Chemistry at Interfaces, and Applications	Dr. Archita Patnaik	Indian Institute of Technology, Madras	Adyar, Chennai-600 036, Tamil Nadu		Tamil Nadu	Fabrication of novel materials exhibiting tremendous technological potential with their tailor-made electrical and optical properties	The collaborative efforts will yield judiciously designed molecular materials with improved photoconductivity and efficiency along with a thorough understanding of the electronic structure as well as electromagnetic wave absorption over a broad wavelength range at structured interfaces.	11.07.2016	2 years	4,44,150/-	2,00,000/-						
42	Near IR Spectroscopy of Singlet Oxygen as a Probe for Dynamic Heterogeneity of Ionic Liquids	Anunay Samanta	School of Chemistry, University of Hyderabad,	Hyderabad 500 046, India		Andhra Pradesh	To obtain a better understanding of the microheterogeneous environments of the ionic liquids. The results obtained from the study are expected to be published in reputed journals.	Synthesis of tailor-made ionic liquids and study of the fluorescence behaviour of the probe molecules using conventional fluorescence and FCS techniques. Development and testing of the near infrared emission spectrometer.	11.07.2016	2 years	4,54,000/-	2,00,000/-						

43	Refinement of immobilized ionic liquid catalysts and organometallic catalysts for carbonylation reactions and CO <sub>2</sub> conversion	Bhalchandra M. Bhanage	Department of Chemistry, Institute of Chemical Technology	Nahaijal, Parekh Marg, Matunga, 400019, Mumbai, India	Maharashtra	Development of newer protocols in carbonylation reaction, carbondioxide fixation and hydrogenation reactions will be achieved.	The advantages of using immobilized ionic liquid containing catalysts as well as new organometallic catalysts over conventional homogenous protocols and hence recyclability of the catalysts will be an important outcome. The characterization of the recycled catalysts after a particular cycle and interpretation of the oxidation state, valence configuration and coordination state will also be a significant result.	11.07.2016	2 years	4,46,000/-	2,00,000/-							
44	Frontiers in Molecular Spectroscopy: From Fundamentals to Applications on Material Science and Biology	Amalendu Chandra	Department of Chemistry, Indian Institute of Technology Kanpur	Kanpur 208016, India	Uttar Pradesh	The intended outcome of the project will be to bring researchers in the areas of molecular spectroscopy together, improving their knowledge of structure, dynamics and spectroscopy of complex chemical and biological systems.	In the meeting, areas of quantum chemistry, statistical mechanics and simulation including ab initio and quantum, classical simulations will be covered. The knowledge of the participants will be improved with the help of lectures on single molecule spectroscopy, ultrafast electronic and vibrational spectroscopy including 2D-IR and structure and dynamics of biological systems and ionic liquids.	1.08.2016	14th -16th November 2016	5,30,000/-	5,00,000/-							
45	Magnetism at the nanoscale	Dr. Subhankar Bedanta	NISER, Bhubaneswar,	PO-Sainik School Bhubaneswar, India.	Odisha	This meeting will bring experts working in various areas of magnetic nano-particles, thin film nanostructures and multilayers together.	students and young experts will discuss the research pursued in the field of MNPs and thin films. Also, the challenges in the broad research topic of MNPs and its applications such as data storage, high frequency micro-electronics, magnetic refrigerants, drug-targeting, cancer therapy, lymph node imaging etc. will initiate much collaboration work to make make some significant progress in the branch of science.	28.07.2016	21-24 November, 2016	5,00,000/-	4,75,000/-							
46	Semiconducting Nanotubes from Custom Designed Polyurethanes: Design and Charge Transport Studies.	Dr. Suhril GHOSH	Polymer Science Unit, Indian Association for the Cultivation of Science,	2A and 2B Raja S. C. Mullick Road, Jadavpur, Kolkata, India-700032	West Bengal	Development of important understanding whether the proposed design offers distinct advantages over self-assembly of small molecules for organic electronic device applications.	The impact of programmed hierarchical self-assembly of chromophore-appended polyurethanes on their charge-transport properties will be examined. Also, students will be trained in this filed and joint publications will be brought together.	25.07.2016	2 years	6,40,000/-	3,00,000/-							
47	Investigation on the inhibition of assimilation of Ti alloy with bone marrow	Dr. B. Subramanian	Electrochemical Materials Science Division, CSIR - Central Electrochemical Research Institute,	Karakudi - 630 005, India	Tamil Nadu			24.08.2016	2 years	4,36,000/-	2,00,000/-							

48	Efficient Method For Development of Meta Material Through Integrating multiple Processes	Dr. S Aravindan	Department of Mechanical Engineering, IIT Delhi,	New Delhi, 110016		Delhi	The research project is effective to make a meta material and its applications towards super lens and biotechnology applications.	Optimization of process parameters for FIB machining of single crystal diamond tools for meta material development applications. Study on the developed tool structure for its shape and dimensional accuracy. Numerical simulation to compute reflection, transmission and refraction of meta material surfaces will be done.	11.07.2016	2 years	6,09,000/-	2,75,000/-						
49	Development of multifunctional Nanocarrier systems For treatment of brain Diseases	Dr. K. Uma Maheswari	Centre for Nanotechnology & Advanced Biomaterials (CeNTAB), School of Chemical & Biotechnology	SASTRA, University, Tirumalaisamudram, Thanjavur – 613401,		Tamil Nadu	The project will result in the development of multifunctional magnetic thermoresponsive liposomal carrier with the ability to cross the blood-brain barrier.	The technology developed from the project will be used to deliver therapeutic agents across the blood brain barrier. IPR will be generated from the project.	11.07.2016	2 years	6,76,000/-	3,00,000/-						
50	Modeling & Diagnostics In Combustion	Pramod S Mehta & S.R.Chakravarty	IIT Madras	IC Engines Lab, Mechanical Engg. - ITM Campus, Chennai		Tamil Nadu	It will gather Indo-Japanese experts on diagnostics and modelling of combustion and discuss the latest developments in the field.	The proposed workshop will pave the way for identification and pursuit of many collaborative partners and projects between Indian and Japanese researchers.	29.06.2016	29 Aug-2 September 2016	8,10,000/-	7,70,000/-						
51	Symposium on Advances in Sustainable Polymers (ASR-16)	Dr. Vimal Katyar	Department of Chemical Engineering, Indian Institute of Technology	Guwahati, Assam-781 039		Assam	Developing a consortium to provide expertise on bio-based and biodegradable polymers and related products.	Closed interaction between the experts from both the countries in focused areas of research of sustainable polymers. Formation of research groups from both the countries through identification of complementary research areas. Potential exchange of researchers.	20.07.2016	3-6 August, 2016	5,50,000/-	5,00,000/-						
52	Molecular mechanisms underlying symptom expression by plant viral suppressor of RNA silencing	Bikash Mandal	Advanced Centre for Plant Virology, Division of Plant Pathology, ICAR-	Indian Agricultural Research Institute, Pusa, New Delhi – 110012		Delhi	The programme will elucidate the role of viral suppressor of RNA silencing (VSR) in virus disease development.	The study will form a baseline to develop virus tolerant plants. The findings of the project will be published in peer-reviewed journals.	25.07.2016	2 years	2,50,000/-	2,50,000/-						
53	Development of new water supply strategies for Brahmaputra watersheds of India under climate change regime	Dr. Manish Kumar	Department of Environmental Sciences, Tezpur University	Napaam, Assam, 784028, India		Assam	To understand the	To educate and transfer knowledge by providing easily understandable water quality information of various water resources in watershed (Brahmaputra River, India). To have an impact on the critical scientific understanding of emerging chemical and biological pollutant issues posing threat on potable water use and also on development of sustainable water management.	24.08.2016	2 years	5,91,760/-	2,50,000/-						

54	India-Japan collaborative research aspiring for prevention and diagnosis of erythrocyte associated diseases.	Dr. Manisha Rajan Medikalakar	Department of Pediatric Immunology & Leukocyte Biology.	13th floor, New Multistoried building, K. E. M. Hospital Campus, Parel, Mumbai-400012	Maharashtra	The role of Red Blood Cells in patients with hemolytic anemia and the role of Ubiquitin-Proteasome system involvement will be studied. The results will be valuable for diagnosis of the disease.	To learn and explore the possible areas and involvement of Ubiquitin-Proteasome system in Hemolytic Anemia. The research will throw light on the contribution of oxidative stress makers and involvement of ubiquitin-proteasome system in patients with different haemolytic anemias such as hereditary hemolytic anemia and autoimmune hemolytic anemia.	25.10.2016	2 years	7,18,000/-	3,50,000/-								
55	Collaborative effort to study Pathophysiology and Molecular Characterization of Congenital Anemia in India	Dr. Prabhakar S. Kedar	Department of Hematogenetics, National Institute of Immunohaematology (ICMR)	13th Floor, New Multistoried Building, K.E.M Hospital campus, Parel, Mumbai 400012, India	Maharashtra	The novel genes (Congenital Sideroblastic Anemia and Diamond Blackfan Anemia) will be identified in Indian and Japanese patients that will help in understanding the genome maintenance mechanism.	Characterization of genetic mutations in CSA and DBA patients will add not only to basic research but also for cancer prevention, chemotherapy and other diseases.	14.12.2016	2 years	4,32,000/-	2,00,000/-								
56	In phase polymorphism analysis of the HLA mitogenome and its application in medical research: advantage of Next Generation Sequencing	Dr Uma Kanga	Clinical Immunogenetics Division, Dept. of Transplant Immunology and Immunogenetics All India Institute of Medical Sciences	HLA Lab, Room No 75, G Floor, Teaching Block, New Delhi-110029	Delhi	Publishing of population genetic paper such as comparison of HLA(Human Leukocyte Antigen) profiles among populations and study of classical and non-classical-HLA polymorphisms in stem cell transplantation.	Demonstration of Next Generation Sequencing technology for classical HLA genotyping and data analysis, studies on HLA diversity in Indian sub continents and manuscript pertaining to the study will be done.	11.07.2016	2 years	6,78,300/-	3,00,000/-								
57	Process scale-up for preparation of hydrocolloid - lipid hybrid nanocapsules loaded with eye protective carotenoid lutein and its efficacy in diabetes induced molecular regulators of angiogenesis	Dr.Vallikannan Baskaran	Biochemistry and Nutrition Department, CSIR - Central Food Technological Research Institute	Mysore 570 020 Karnataka (India)	Karnataka	The project will result in joint publications and patent on nano-encapsulation of lutein with higher bioavailability and efficacy with respect to anti-angiogenesis in diabetes.	Hydrocolloid-lipid based nano-encapsules loaded with lutein at pilot scale and their characterization will be done. The efficacy of lutein loaded in nano-capsules on diabetes induced molecular markers of angiogenesis will be done in experimental model.	14.9.2016	2 years	5,40,000/-	2,50,000/-								
58	Development of novel extended $\pi$ -conjugated small molecules for generation of reactive oxygen species (ROS) inside the cancer cell	Dr. Surajit Ghosh	Organic and Medicinal Chemistry CSIR-Indian Institute of Chemical Biology	4, Raja Suboth Chandra Mullick Rd, Jadavpur University Campus Area, Jadavpur, Kolkata, West Bengal 700032	West Bengal														
59	Polarimetric Study of Astrophysical Dust using Light Scattering Tools and Observations with Optical Telescopes	Prof. Asoke K. Sen	Dept of Physics, Assam University,	Silchar-788011, Assam	Assam	The outcome of the project will be of pure academic research interest pertaining to light scattering.	Photo-spectro-polarimetric observation of star forming regions, circumstellar disks around proto-stars and solar system bodies with telescopes will be done. Light scattering tools will be developed and stellar spectral classification of faint stars forming regions will be taken up.	28.07.2016	2 years	8,48,000/-	4,00,000/-								
60	Ground motion modeling of the Kachchh rift basin, Gujarat, India, using available seismological data and information	Dr. Prantik Mandal	Theo. & Comp. Geoph Group National Geophysical Research Institute,	Uppal, Hyderabad, Andhra Pradesh	Andhra Pradesh	The outcome of the project will be to exchange results and compare the earthquake hazard model for different tectonic regimes.	The research work will lead to best possible definition of ground motions expected from large intraplate earthquakes, source modelling of the Bhuj earthquake sequence, attenuation relationship of the region and seismic hazard.	25.7.2016	2 years	3,92,000/-	1,80,000/-								

61		Paleoceanographic and biogeochemical response of the northern Indian Ocean to the Himalayan uplift and denudation	Supriyo Kumar Das	Department of Geology, Presidency University,	86/1 College Street, Kolkata 700073, West Bengal, India		West Bengal	The research will enhance current knowledge of monsoon variability and its influence on marine geochemistry.	Research outcomes published in journals will contribute to develop sustainable practices using marine resources. Capacity building at local level. The organic and inorganic geochemical data will be used as proxies to reconstruct past geochemical environment and climate conditions.	11.07.2016	2 years	4,40,000/-	2,00,000/-						
62		Identifying essential mechanisms of star cluster formation with wide-field optical observations	Dr. Anil K. Pandey	Aryabhata Research Institute of Observational Sciences (ARIES)	Manora peak, Nainital – 263 001, Uttarakhand	Nainital	Uttarakhand	The proposed project will concentrate on optical observations and will help in penetrating into the deep observation in star forming sites.	To develop an NIR (near-infrared)/high resolution spectrophotograph.	12.7.2016	2 years	5,60,000/-	2,50,000/-						
63		"Lightweight Encryption mechanisms for Cyber Security Applications"	Sugata Gangopadhyay	Department of Computer Science and Engineering, Indian Institute of Technology Roorkee	Roorkee 247667		Uttarakhand	An advanced lightweight and highly secure encryption technique belonging to stream ciphers.	The main outcome of the project is design of a novel light weight and provable secure stream cipher with authentication suitable for RFID and certain Machine to Machine communication.	11.07.2016	2 years	6,78,3000/-	3,00,000/-						
64		Dynamic Reconfigurable High-speed Vision Architecture	Dr. Kota Solomon Raju	RCS & WSN Labs, Digital Systems Group	Room No. 107, Digital Systems Group, CSIR-Central Electronics Engineering Research Institute, (CSIR-CEERI), Pilani, Rajasthan – 333 031		Rajasthan	Reconfigurable Computing Systems (RCS) architecture for high speed vision system will be made.	Hierarchical reconfigurable computing architecture for high speed visual feedback will be made, dedicated FPGA based board for High speed vision system	6.10.2016	2 years	8,18,000/-	4,00,000/-						
65		Nomination of Indian students for participation in HOPE meeting to be organized by Japan Society for the Promotion of Science (JSPS) in Tokyo, Japan during February 26 to March2, 2017						To motivate the students to explore the new areas of research and strive towards excellence.	To provide a platform to PhD students and other young researchers from Asia Pacific and other African countries to engage in interdisciplinary discussions with 5 Nobel laureates from the field of Physics, Chemistry, Physiology/Medicine	26-Feb-17	2-Mar-17								
<b>AUSTRALIA</b>																			
66		Indo-Australia Science and Technology Fellowship Programme		Indian National Science Academy, New Delhi	New Delhi		New Delhi	To facilitate long term science, technology and innovation collaboration between India and Australia	Developing researchers' expertise in international collaboration and fostering long-term relationships between Indian and Australian researchers. Developing the researchers's leadership skills and providing a catalyst for future India-Australia research collaboration	19.09.2016		3,24,85,000/-	3,00,00,000/-						

67	New Materials for Large Scale, High Stability, High Energy Density Batteries: from Material Design to Prototype Development	Dr. Aninda Jiban Bhattacharyya	ISC, Bangalore	Bangalore	..	Karnataka	The outcome of the project will be to achieve major breakthroughs in next generation electrolyte and electrode materials for lithium-based and sodium ion energy storage applications.	Through the project, there will be development of novel ionic liquid and polymer electrolyte materials that will support safe and stable lithium metal and Li-S, Li-O2 batteries, novel ionic liquid and polymer electrolyte materials that will support ambient to moderate temperature sodium storage devices, new electrodes designs that support efficient lithium and sodium storage, prototype lithium and sodium based devices that demonstrate stability, high efficiency and reliability	06.06.2016	3 years	49,99,600/-	15,00,000/-							
68	Hotwiring Microbial communities for Enhanced Unconventional Gas Production	Dr. Binwari Lal, Senior Director	Environmental and Industrial Biotechnology, The Energy and Resources Institute, New Delhi	New Delhi	..	New Delhi	Delivery of high impact publications describing an improved understanding of direct electron transfer in methanogenesis and understanding of mechanisms of adaptation of subsurface microbes to elevated pressure	Deliver data related to coal properties to potential for enhanced methanogenesis, enabling identification of coal measures most suitable for stimulation, information relating enhanced methane yields to temperature and pressure enabling predictors of enhanced yield in specific locations, field demonstration of technology and associated knowhow	30.05.2016	3 years	66,70,200/-	15,00,000/-							

**MEXICO**

69	Use of Seismic Microtremors in Engineering Seismology Approaches used in Mexico and India to Reduce The Seismic Risk	PI. M. Kusala Rajendran	Indian Institute of Science, Bangalore-560012	Bangalore-560012	Bangalore	Karnataka	Investigations would be useful for developing hazard models considering earthquake scenarios		17.03.2017/3yr		19,30,250/-	4,38,250							
70	Development of Nanostructured Cu <sub>2</sub> Zn(Sr/Se) <sub>4</sub> Thin Films and Their Electronic Properties for Next Generation Solar Photovoltaic Applications	PI. M. Ambesh Dixit	IFT, Jodhpur, Rajasthan	Jodhpur, Rajasthan	Jodhpur, Rajasthan	Rajasthan	The project has a strong focus on research and development of new solar photovoltaic materials and devices		15.03.2017/3yr		37,22,000/-	9,43,000							
71	Identification of three dimensional attenuation structure using earthquake data. Investigations for Himalaya and Mexico.	PI. Dr. Anad Joshi	D/o Earth Science, Indian Institute of Technology, Roorkee	Roorkee	Roorkee	Roorkee, Uttarakhand	The algorithm and code for attenuation tomography using strong motion and broadband data I. Three dimensional attenuation tomography maps of the central seismic gap and central Mexico.		20.03.2017/3yr		22,84,500/-	7,61,500							
72	Design of a microbial process for the removal of organophosphorus pesticides in water supplies from rural and urban water bodies	PI. Dr. Garima Kaushik	Central University of Rajasthan, N.H.8, Bandar Sindi, Amer-305817	Bandar Sindi, Amer	Bandar Sindi, Amer	Rajasthan			24.03.2017/3yr		14,88,000/-								
73	Photo degradation of azo dye contaminants by new hybrid ionic liquid decorated	PI. Dr. Naninder Singh	Indian Institute of Technology, Ropar Nangal Road, Rupnagar, Punjab	Ropar Nangal Road, Rupnagar, Punjab	Rupnagar, Punjab	Punjab	Proof of concept device that allows us to develop new hybrid metallic nanoparticle-ionic liquid in vide application such as photocatalysis, cancer application, environmental and biological analysis.		27.03.2017/3yr		35,04,000/-	11,68,000							
74	Improvement of storage grains mycotoxin mitigation by nanoparticles based rapid diagnostic for mycotoxin producers and control of mycotoxin contamination by fungal metabolites	PI. Dr. Vandana Ghormade	Agharkar Research Institute, Nanotechnology, GG Agarkar Road, Pune-411004	GG Agarkar Road, Pune-411004	Pune-411004	Maharashtra	Establishment of strategy to the use of natural products to the management of mycotoxin contamination in peanut maize and wheat seeds		15.03.2017/3yr		18,34,500/-	6,11,500							







118	Prediction of disease-relevant mutations in transmembrane proteins	Dr. M. Michael Gromiha	Indian Institute of Technology (IT) Madras	Chennai	Tamil Nadu				02.09.2016		71,28,000/-	34,76,000							
119	Multidisciplinary approach to evaluate the pathogenicity of missense mutations causing hereditary breast cancer	Dr. Ashok K Varma	Tata Memorial Centre - Advanced Centre for Treatment, Research and Education in Cancer	Kharghar	Maharashtra				January, 2017		1,16,18,400/-	38,72,800							
120	A Knowledge Based Approach to Drug Repurposing for Socially Important and Rare Diseases	Prof. G. Narahari Sastry	CSIR-Indian Institute of Chemical Technology	Tanaka	Telangana						1,19,69,760/-	39,89,920/-							
121	Nature and regularities of induced seismicity in areas of tectonic and anthropogenic impacts from field and laboratory data	Dr. D. Srinagesh	CSIR-National Geophysical Research Institute	Hyderabad	Telangana				16.09.2016		41,60,640/-	13,86,880/-							
122	Experimental Study and Numerical Modeling of Polymers' Pyrolysis and Burning Kinetics for the Prediction of Flame Spread Behavior under Fire Growth	Dr. Amit Kumar	Indian Institute of Technology Madras	Chennai	Tamil Nadu				04.01.2017		26,90,000/-	13,45,000							
123	New set of mathematical models, methods, algorithms and software programs of controllable stochastic systems for performance evaluation and design of the next-generation telecommunication networks	Dr. Krishnamoorthy Achyutha	CMS College	Kottayam	Kerala						1,38,56,720/-	45,52,240/-							
124	Analysis and design of deformation processes for mixtures of metallic powders and polymer matrix	Dr. P.P. Date	Institute of Technology Bombay	Mumbai	Maharashtra				12.08.2016		65,63,920/-	38,86,960/-							
<b>RUSSIA (RFBR) 2 YRS</b>																			
125	Controlling Multistability in Hidden Attractors and its Applications	Dr. Manish Dev Shrivastava	Central University of Rajasthan	Ajmer	Rajasthan				28.09.2016		24,50,560/-	12,25,280/-							
126	Colored knot polynomials	Dr. Ramadevi Pichai	Institute of Technology Bombay	Mumbai	Maharashtra				September, 2016		17,90,140/-	9,03,320/-							
127	Numerical study of dynamic brittle fracture in impact problems	Dr. Mohd. Ashraf Iqbal	Indian Institute of Technology Roorkee	Roorkee	Uttarakhand				12.09.2016		24,84,240/-	12,42,120/-							
128	Dust and magnetic fields in low-mass star-forming molecular clouds	Dr. Asoke Kumar Sen	Assam University	Silchar	Assam				11.11.2016		23,35,600/-	11,67,800/-							
129	The complex system for processing and realtime analysis of geomagnetic data at high and low latitudes for the study of meridional propagation of disturbances during storm and sub-storms	Dr Kusumita Arora	National Geophysical Research Institute	Hyderabad	Telangana				28.09.2016		26,35,600/-	13,17,800/-							
130	Cloning and targeted delivery of anti-oxidant gene and drug for treatment of Chronic Obstructive Pulmonary Disease (COPD)	Dr. Packirisamy Gopinath	Indian Institute of Technology Roorkee	Roorkee	Uttarakhand				12.09.2016		25,01,840	12,50,920							
131	Excited configurations in the spectra of five and six-times ionized Indium atom	Dr. Tauheed Ahmad	Aligarh Muslim University	Aligarh	Uttar Pradesh				05.01.2017		38,07,800/-	20,04,600/-							
132	Magnetoplasmonic quasicrystals	Dr. Achanta Venu Sopal	TIFR	Mumbai	Maharashtra				30.11.2016		15,69,400/-	7,84,700/-							
133	Mechanisms of retention and enantioseparation of chiral quinolines on enantioselective adsorbents under liquid chromatographic conditions	Dr. Imran Ali	Jamia Millia Islamia (Central University)	New Delhi	Delhi				05.09.2016		26,14,920/-	13,07,460/-							
134	Layered perovskite-related oxide materials: synthesis, structure and properties	Dr. A. Sundaresan	Jawaharlal Nehru Centre for Advanced Scientific Research	Bangalore	Karnataka				10.11.2016		27,60,400/-	13,80,200/-							
135	Research of patterns and mechanisms of influence of the nanoparticles on human health in the industrial production and application of nonmetallic nanomaterials for construction	Dr. Rama Shanker Verma	IFT	Madras	Chennai				26.09.2016		32,82,400/-	16,41,200/-							
136	Nanocomposites based on graphene oxide and transition metal oxides and chalcogenides synthesized by peroxide route for supercapacitor application	Dr. Sudip Kumar Batyal	Amrita Vishwa Vidyapeetham University	Coimbatore	Tamil Nadu						24,34,400/-	12,17,200/-							
137	Metal Nanoparticles Embedded into Hyperbranched Polymer Matrix as Efficient and Reusable Catalysts for Organic Transformations	Dr. Manoj Pal	University of Hyderabad	Hyderabad	Andhra Pradesh				05.09.2016		24,62,020/-	12,90,960/-							
138	Network pharmacology based identification of phytomolecules from traditional Indian medicine for effective treatment of dementia	Dr. Rajesh Kumar Goel	Punjabi University	Patiala	Punjab				26.09.2016		22,40,920/-	13,12,960/-							

139	Conservation of tigers: understanding the glucocorticoid stress status in relation to anthropogenic disturbance and extreme climatic conditions in Amur and Bengal tigers	Dr. Govindhasamy Umepathy	Centre for Cellular and Molecular Biology		Hyderabad	Andhra Pradesh				10.11.2016		22,69,200/-	11,34,600/-						
140	Coupling GPR measurements and modelling for mountain glacier volume assessment in India and Russia	Dr. Shehmani	SASE, RDE		Chandigarh	Haryana				October, 2016		22,69,200/-	11,34,600/-						
141	Deep structure of the tectonosphere in the Eastern Himalaya from joint electromagnetic and seismic soundings: Analysis of magnetotelluric responses and receiver functions	Dr. Devesh Walia	North-Eastern Hill University		Shillong	Meghalaya				05.09.2016		20,15,440/-	14,57,720/-						
142	Exploration of Continuous Morphological Models for Analysis and Recognition of Dynamic Depth Images/Videos	Dr. Basawegowda Hema Shekar	Mangalore University		Mangalore	Karnataka				27.02.2017		28,40,400/-	15,41,200/-						
143	Non-equilibrium dynamics of correlated quantum systems: application to Josephson junctions and ultracold atoms	Dr. Krishnendu Sengupta	Joint Institute of Indian Association for the Cultivation of Science		Jadavpur	West Bengal				19.08.2016		22,32,360/-	12,91,180/-						
144	Fast Neutrons as a probe for Elemental Analysis, Nuclear Reaction Studies and Cross Section Measurements	Dr. Ajay Kumar	Banaras Hindu University		Varanasi	Uttar Pradesh				05.01.2017		22,46,400/-	11,23,200/-						
145	New Family of Fe-Containing Magnetic Shape Memory Alloys with Giant Reversible Strain	Prof. V. Sampath	IFT		Madras	Chennai				September, 2016		26,55,840/-	13,27,920/-						

Make in India  
Swachh Bharat  
Digital India  
Swasth Bharat  
Startup India  
Smart Cities  
Namami gange  
Skill India  
Standup India

Andhra Pradesh  
Arunachal Pradesh  
Assam  
Bihar  
Chhattisgarh  
Goa  
Gujarat  
Haryana  
Himachal Pradesh  
Jammu & Kashmir  
Jharkhand  
Karnataka  
Kerala  
Madhya Pradesh  
Maharashtra  
Manipur  
Meghalaya  
Mizoram  
Nagaland  
Odisha  
Punjab  
Rajasthan  
Sikkim  
Tamil Nadu  
Telangana  
Tripura  
Uttar Pradesh  
Uttarakhand  
West Bengal  
Andaman and Nicobar Islands  
Chandigarh  
Dadra and Nagar Haveli  
Daman and Diu  
Lakshadweep  
Delhi  
Puducherry

On-going  
Closed  
New