

Science & Engineering Research Board

EMEQ Projects Sanctioned in the Year 2017-18			
S. No	Title	PI Details	Total Cost
1	Neem-seed based Nanocapules and nanomedicine for targeted drug delivery and cancer therapy	Dr. Pradip Paik, University of Hyderabad	4046000
2	Modelling of electro-osmotic flow and heat transfer in a micro-channel for microfluidic applications	Dr. GOPAL CHANDRA SHIT.,, Jadavpur University	2032000
3	Biosynchronous Treatment of Hypertension by Statistically Designed Press Coated Chronomodulated Systems Employing Novel Biocompatible Polymers	Dr. Bharathi Arigela, KVSR Siddhartha College of Pharmaceutical Sciences	2511000
4	Design, synthesis and biological evaluation of imidazopyridines, imidazopyridine fused chromenes and diazepines: A green chemistry approach	Dr. KRISHNAIAH ATMAKUR, Indian Institute of Chemical Technology	2884000
5	RESOURCE MONITORING AND INTEGRATED MANAGEMENT OF MANGROVES ON MAHARASHTRA COAST, INDIA	Dr. Ajit Bhimrao Telave, Tuljaram Chaturchand College, Baramati	2236000
6	Design and Development of a Solar Pond and Biomass Driven Thermoelectric Unit for Domestic Power Generation using Inverse Method	Dr. Ranjan Das, Indian Institute of Technology, Ropar	4429000
7	Identification of uranium concentration in groundwater and rock types; itâ€™s related Health Hazard in Parts of Salem district of Central Tamil Nadu	Dr. MUTHAMILSELVAN A, Centre for Remote Sensing	2821000
8	Dynamics of mathematical epidemic models for spread of infectious diseases with Media awareness, Impulsive Vaccination, Quarantine and Isolation: An optimal control study	Dr. Kunwer Singh Mathur, Dr Harisingh Gour Vishwavidyalaya	1686000
9	Development of ROS Sensitive Turn-on Fluorescent Probes for Targeted Delivery of Anti-cancer Compounds	Dr. Krishna Pada Bhabak, Indian Institute of Technology Guwahati	5304000
10	Deciphering the molecular mechanism of ruthenium-oxicam anti-P-glycoprotein loaded nanoparticles on multidrug resistance colitis associated inflammatory tumor microenvironment and colon cancer progression.	Dr. Souvik Roy, NSHM Knowledge Campus, Kolkata- Group of Institutions	3216000
11	EFFECT OF ESSENTIAL OILS IN COMBINATION WITH EDIBLE	Dr. Kiran M, Veterinary College-Bidar	2730000

	PACKAGING ON STABILITY OF EMULSION BASED CHICKEN PRODUCTS STORED UNDER REFRIGERATED AND FROZEN CONDITION		
12	Design & synthesis of andrographolide analogues for identification of potent anti-cancerous hit	Dr. Ravi Shankar, Indian Institute of Integrative Medicine	4032000
13	Genome wide identification and characterization of powdery mildew responsive NBS-LRR genes in grapes.	Dr. Kashmir Singh, PANJAB UNIVERSITY	3630000
14	TECHNOLOGY DEVELOPMENT FOR THE SUPPORT AND IMPROVEMENT OF SPEECH-LANGUAGE IMPAIRED PEOPLE	Dr. M Krishnaveni, Avinashilingam Institute for Home Science & Higher Education for Women	2828000
15	Design and Development of a Solar Updraft Power Plant	Dr. Chandramohan V.P, National Institute of Technology, Warangal	3006000
16	Joining of Aluminium Alloy with Low Carbon Steel by Cold Metal Transfer (CMT) Arc Welding Process	Dr. S.T. Selva mani, Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College	3996000
17	Electrochemical synthesis of nano-wires and their physio-chemical parametric evaluations for sensor applications	Dr. Sandeep Arya, Jammu University	4912000
18	Biochemical and Molecular Mechanisms Underlying the Therapeutic Potential of Moringa Oleifera on High Fat Diet Induced Obesity and Gut Microbial Derangements: A Mechanistic Approach	Dr. Meriga Balaji, Sri Venkateswara University	3778000
19	Development of doubly-even self-dual binary codes of length 24k	Dr. Satya Bagchi, National Institute of Technology, Durgapur	1524000
20	Development of correction factors for standard penetration test N values in India through energy measurement and field experiments “ Step towards a reliable Liquefaction Potential Assessment	Dr. P. Anbazhagan, Indian Institute of Science	2656000
21	Synthesis of Pharmacologically Active Heterocyclic Compounds via One Pot Three-Component Coupling Reaction Catalyzed By Bio-Inspired Nanoparticles	Dr. Tanmoy Kumar Saha, National Institute of Technology, Durgapur	3122000
22	In vitro studies on reproductive behaviour, regeneration and conservation of Threatened and Economically important Pteridophytes of Niyamgiri Hill, Odisha.	Dr. SANDIP KUMAR BEHERA, National Botanical Research Institute	2614000

23	Development of microcontroller based humidity meter to monitor the quality of tea in North Eastern India	Dr. Debdulal Saha, Central Glass and Ceramic Research Institute	3008000
24	Fabrication of One Dimensional (1-D) Nanomaterial with Quantum Dots (QDs) for Solar Cell Application	Dr. G Ramalingam, ALAGAPPA UNIVERSITY	2475000
25	Identification of superior alleles for high yield-potential under drought and their functional markers following candidate gene approach in rice.	Dr. Tirthankar Biswas, Bidhan Chandra Krishi Vishwavidyalaya	3556000
26	Asymmetric 1,6-Conjugate Addition of para-Quinone Methides for Synthesis of Functionalized Diarylmethine and Spirocyclopropane	Dr. Utpal Das, National Chemical Laboratory	4932000
27	Soybean lectins and their antimycobacterial role by regulating autophagy	Dr. Rohan Dhiman, National Institute of Technology, Rourkela	2566000
28	Pregnancy outcomes in Indian women with Endometriosis and Biomarker Correlation: A Cohort Study	Dr. Rahul Krishnaji Gajbhiye, National Institute for Research in Reproductive Health	2592000
29	FABRICATION AND TESTING OF LINEAR COMB DRIVE MEMS CAPACITIVE ACCELEROMETER FOR CIVIL STRUCTURAL HEALTH MONITORING (SHM) APPLICATIONS	Dr. Kavitha S, Annamalai University	4266000
30	Detection of QRS Complex of ECG Signal using Optimally Designed Preprocessor and its Online Monitoring	Dr. Suman Kumar Saha, National Institute of Technology, Raipur	2932000
31	Novel perovskite-based solar cells: Investigation of potential properties using ab-initio approaches	Dr. Yogeshkumar Ashokbhai Sonvane, Sardar Vallabhbhai National Institute of Technology	3009000
32	“Magnetic and Gravity studies to understand the crustal structure and tectonic evolution of the Sahyadri mountain ranges (in north Kerala-Nilgiri and Southern Coorg segments) and adjoining areas of the South Indian High Grade Domain”	Dr. Ajayakumar P, Cochin University of Science and Technology	3056000
33	Fabrication and studies of environmental friendly plasmon enhanced p-type CZTS based thin film photovoltaic cell with an improved efficiency from earth abundant materials	Dr. Bharathimohan D, Pondicherry University	4010000
34	Directed Site-Selective C-H Functionalization of Aromatic and Heteroaromatic Precursors	Dr. Alagiri Kaliyamoorthy, Indian Institute of Science Education and Research, Thiruvananthapuram	4636000

35	Process Intensification of Biodiesel Synthesis from Non-edible Oil via Superheated Propanol Injection Technique	Dr. GOPINATH HALDER, National Institute of Technology, Durgapur	3151000
36	Synthesis of π -conjugated polymers through click reactions for organic electronics application	Dr. S Krishnamoorthi, Banaras Hindu University	4217000
37	Studies on macrolide antibiotics: Application of genetic approaches for drug discovery	Dr. Pramod Bapurao Shinde, Central Salt And Marine Chemicals Research Institute	4504000
38	HIGH GLUCOSE INDUCED PLATELET APOPTOSIS AND AGGREGATION: MITIGATION BY BERBERINE, A HYPOGLYCEMIC AGENT	Dr. Girish KS, Tumkur University	5286000
39	Synthesis of Gold Nanoparticles Using Silk Fibroin as Biotemplate: Characterization and Color Sensor Applications	Dr. Sangappa Y, Mangalore University	3886000
40	Removal of Total Dissolved Solids from Water and Wastewater through Biological Systems	Dr. PRAVIN ULHAS MESHARAM, The Rashtrasant Tukadoji Maharaj Nagpur University	2511000
41	EFFECT OF POTATO BASED CROPPING SEQUENCES ON VIRULENCE OF RHIZOCTONIA SOLANI (K α HN), ITS VARIABILITY AND MANAGEMENT	Dr. Mehi Lal, ICAR-Central Potato Research Institute Campus	3532000
42	Modulation of T effector memory (TEM) vs T Central Memory (TCM) ratio for the immunotherapy and vaccine strategy for Tuberculosis.	Dr. Gobardhan Das, Jawaharlal Nehru University	2530000
43	Role of SWR1 Chromatin Remodeling Complex in Radiation Resistance Fungus "Ustilago maydis"	Dr. Saravanan Matheshwaran, Indian Institute of Technology Kanpur	4646000
44	Improvement of Smart Microgrid Flexibility and Power Quality using Phasor Measurement Unit	Dr. PARTHA SARATHEE BHOWMIK, National Institute of Technology, Durgapur	2640000
45	Evaluation of Technical and Economic Potential of Metal Hydride Thermal Energy Storage System for Solar Power Generation.	Dr. Mahesh Arumugam, C.L.Patel Institute of Studies and Research in Renewable Energy	3061000
46	Development of Polymer and Doped Quantum Dots Blended Tandem Solar Cells Using Low-Cost Solution Processed Method	Dr. Satyabrata Jit, Indian Institute of Technology, BHU	4486000
47	Nitric Oxide Dioxygenation Reactions and Their Mechanistic Insights	Dr. Pankaj Kumar, Indian Institute of Science Education and Research	4366000

48	Design, Synthesis and Biological Screening of Chiral Pyrazinoindoles and Pyrazinopyrroles As Potential Antibacterial Agent	Dr. Ramesh Chandra, University of Delhi, North Campus	4326000
49	Identification, characterization and expression profiling of drought stress responsive microRNAs in <i>Coffea arabica</i> L.	Dr. Ravi Rajwanshi, Assam University	4032000
50	Exploring Molecular Intricacy “ Developing Facile Catalytic Asymmetric Oxidative Dearomatisation Reactions (CAODRs)	Dr. Debayan Sarkar, National Institute of Technology, Rourkela	4180000
51	Effect of selected pesticides on expression of human ortholog neurodegenerative genes in <i>Caenorhabditis elegans</i>	Dr. PRIYANKA GAUTAM, Dayalbagh Educational Institute	3881000
52	Conducting polymer based electrode materials for supercapacitors	Dr. Thomas Paramanandam,, Central Power Research Institute	2306000
53	The effects of therapeutic botulinum neurotoxin injection on the regulation of the hippocampal neurogenesis and cognitive functions in experimental animals	Dr. Mahesh Kandasamy, Bharathidasan University	4992000
54	Prevalence and pathobiology of retroviral diseases in sheep and goats	Dr. Pawan Kumar, Indian Veterinary Research Institute	3630000
55	Investigation of Optical and Magnetic Properties of Some Transition Metal Doped Diluted Magnetic Semiconductors for Spintronic Applications	Dr. Kedar Singh, Jawaharlal Nehru University	4652000
56	Development of Electronic Nose for detection of Biomarker vapor blends using conductive polymer nanocomposite sensors	Dr. MOHANRAJ GT, Birla Institute of Technology	3964000
57	Synthesis and Characterization of Energy Harvesting Materials for Hydrogen Storage	Dr. Rajashabala Sundaram, Madurai Kamraj University	3487000
58	“Assessment of oral health status and associated biosocial factors in Tribal Population: A multi centric community based study”	Dr. Pooran Chand, King George Medical University	3196000
59	Environmentally benign amine functionalized solid sorbent for fast and reversible CO ₂ , capture from air: Kinetics of temperature-vacuum swing adsorption/desorption system	Dr. Sudeshna Saha, Jadavpur University	4301000
60	Evaluating the Therapeutic Potential of <i>Mucuna Pruriens</i> (Linn.) on Male Sexual Dysfunction and Sperm Damage Induced by Hypercholesterolemia: An	Dr. Prakash Seppan, Madras University	4986000

	Experimental Study using Rat as an animal model		
61	PROTEOMIC ANALYSIS OF DRUG RESISTANT AND SUSCEPTIBLE STRAINS OF CANDIDA ALBICANS TO DECIPHER THE DRUG RESISTANT MECHANISM AND DISCOVERY OF DRUG TARGETS	Dr. Palani Perumal, Madras University	2897000
62	Development of pre/in-situ formed CNTreinforced-MgAl ₂ O ₄ spinel matrix composites	Dr. Barun Kumar Sanfui, Government College of Engineering & Ceramic Technology,	3006000
63	Design and development of a heat pipe embedded solar collector based latent heat storage system for domestic application.	Dr. Biplab Das, National Institute of Technology, Silchar	2721000
64	Early Detection of Kidney Abnormalities in Noisy Ultrasound Images	Dr. Priyanka Kokil, Indian Institute of Information Technology Design & Manufacturing Kancheepuram	2191400
65	Preparation and Development of adsorbent carbon and nano cellulose fibrils from Cocos nucifera and its potential application in wastewater treatment system	Dr. RM JAYABALAKRISHNA N, Tamil Nadu Agricultural University	3152000
66	Spirograph based non-woven fibre mat reinforced polymer composite fabrication with near isotropic mechanical property	Dr. Arjunan Siddharthan, Anna University	4736000
67	EXPLORING THE NEW POSSIBILITIES AND THE CHEMISTRY OF ORGANIC AND ORGANOMETALLIC FUNCTIONALIZED NANOMATERIALS	Dr. Vittal Babu Gudimetla, Central University of Tamil Nadu	4420000
68	Development of Rice Husk Ash Based Hierarchical Porous Zeolites and Their Modification for Defluoridation of Water	Dr. Milan Kanti Naskar, Central Glass and Ceramic Research Institute	1162000
69	Characterization and Evaluation of Non-Descript Goat Population of Marathwada and Western Maharashtra	Dr. VILAS BHAGWANRAO DONGRE, Maharashtra Animal and Fishery Sciences University	920000
70	Development of baited trap to control the aphid, Aphis craccivora ((Hemiptera: on Lathyrus sativus plants and evaluation of transgenic sativus plants against this aphid	Dr. Anandamay Barik, Burdwan University	2015000
71	Development of mucoadhesive based nanocomposite design of voriconazole loaded ocular insert for the treatment of ocular keratitis.	Dr. Pravin Kondiba Pawar, Gourishankar Institute of Pharmaceutical Education & Research, Limb,	2951000

72	Mechanochemical Milling and Low Temperature Sintering of Nanostructured MgAl ₂ O ₄	Dr. Debasish Sarkar, National Institute of Technology, Rourkela	2715000
73	Synthesis and characterization of SPEEK-Perovskite based proton conducting polymer electrolytes for HT-PEMFC	Dr. Manimuthu Ramesh Prabhu, Alagappa University	1690000
74	Partition Recovery of Wireless Sensor Networks with the integration of Unmanned Aerial Vehicles (UAVs)	Dr. Virender Ranga, National Institute of Technology, Kurukshetra	455000
75	Development of Novel Electrode Material for Supercapacitor Applications	Dr. Prakash Chand, National Institute of Technology, Kurukshetra	2800000
76	Effect of frictional heat on coefficient of friction during full slip of Al6061 T6 Hertzian contacts	Dr. Vadivuchezhian Kaliveeran, National Institute of Technology, Surathkal, Mangalore	2035000
77	Structural and functional investigation of mammalian cell entry (proteins from human pathogens: development of structure-based lead molecules	Dr. Shankar Prasad Kanaujia, Indian Institute of Technology Guwahati	2217000
78	Study of Shrinkage Void Distribution in Latent Heat Thermal Energy Storage	Dr. Sandip Kumar Saha, Indian Institute of Technology Bombay	3632000
79	SURVEY OF PUTATIVE ANTHELMINTIC PLANTS USED IN TRADITIONAL MEDICINE SYSTEM IN BODO TRIBE OF BODOLAND TERRITORIAL COUNCIL AND TESTING THEIR EFFICACY IN IN-VITRO SYSTEMS	Dr. Ananta Swargiary, Bodoland University	1245000
80	SYNTHESIS OF ENANTIOMERICALLY ENRICHED ALPHA-AMINOPHOSPHONATE NUCLEOSIDES AS ANTI-DENGUE PRODRUGS: A ORGANOCATALYTIC MULTI-COMPONENT REACTION	Dr. Karthik Kumar, The American College	1450000
81	Targeting molecular Cross-talk between Dendritic cell and NK cell in tumor micro-environment to promote cancer immunity: Role of TLR agonist	Dr. Sumit Kr Hira, Burdwan University	2450000
82	Bio-transformation reactions of Pt(II)/Pd(and Pt(IV))-sulfur chelates to metal-DNA adduct with nucleobases: their kinetics, mechanistic pathway, bio-activity and theoretical aspects	Dr. Sankar Chandra Moi, National Institute of Technology, Durgapur	2625000
83	Development of layered SiC ceramic filter for off gas cleaning	Dr. Nijhuma Kayal, Central Glass and Ceramic Research Institute	1382000
84	Engineering of the Insulin-producing probiotic yeast <i>Saccharomyces boulardii</i> and exploration of its applications as therapeutics for diabetes.	Dr. Narendra Kumar Bairwa, Shri Mata Vaishno Devi University	2450000
85	Synthesis of bismuth oxyhalides and its composites for enhanced photocatalytic	Dr. Subrata Sarkar, Jadavpur University	3065000

	activity: A little step towards a pollution free environment		
86	DEVELOPMENT OF NOVEL BENZOCYCLOHEPTENONE TEMPLATES BY C-H BOND ACTIVATION: RELEVANCE TO APPLICATION IN MEDICINAL CHEMISTRY	Dr. Lingaiah Nagarapu, Indian Institute of Chemical Technology	1625000
87	Development and Performance Evaluation of Self-Lubricating Nanostructured Cold Sprayed Coatings	Dr. Bolleddu Venkateshwarlu, VIT University	1560000
88	Design and development of innovative MOSFET and some investigations on its novel properties for industrial deployment	Dr. KAUSHIK MAZUMDAR, Indian Institute of Technology, Dhanbad	1350000
89	Novel, non-thermal, energy efficient, industrially scalable hydrodynamic cavitation (processing of milk for enhanced nutrients and shelf life extension)	Dr. Shalini Subhash Arya, Institute of Chemical Technology	3100000
90	EXPERIMENTAL AND DFT STUDY ON REDUCED GRAPHENE BASED HYBRID NANOSTRUCTURES FOR HYDROGEN EVOLUTION AND ENERGY STORAGE APPLICATIONS	Dr. Ponnusamy Munusamy Anbarasan, Periyar University	535650
91	Assessment of Virgin Pomegranate Seed Oil and its Encapsulated Form on the Management of Obesity and Associated Inflammation: A Molecular Approach	Dr. Krishna Das Saha, Indian Institute of Chemical Biology	1400000
92	Red cell membrane molecular pathology in hereditary spherocytosis (In India)	Dr. Prabhakar S Kedar, National Institute of Immunohaematology (NIIH)	1300000
93	Design and Development of printed Microstrip Antennas for LTE and GPS Applications	Dr. maloth chandra sekhar, Kakatiya Institute of Technology and Science	3045000
94	Development of surface-charge impregnated plasmonic gold nanopores for enhanced photodynamic therapy and mitochondrial dysfunction in human breast cancer cell line(s)	Dr. Kumar Ponnuchamy, Alagappa University	2495000
95	Synthesis and characterization of TiO ₂ /MnO ₂ NWs assembly for Photodetector Application	Dr. P Chinnamuthu, National Institute of Technology, Nagaland	2990000
96	Implementation And Analysis Of Coupled Coils At Different Structures With Misalignments For WPT EV Battery Charging	Dr. P Srinivasarao Nayak, National Institute of Technology, Tiruchirappalli	1785000
97	Nonlinear wave dynamics in PT symmetric optical media	Dr. Amiya Das, Kazi Nazrul University	610000
98	Experimental Investigations of prototype desiged Critical Heat Flux (Enhancement of High Performance Heat Transfer Nanofluids using SWCNT & MWCNT based Nanoparticles)	Dr. Shriram Shaligram Sonawane, Visvesvaraya National Institute of Technology	3330000
99	Development of 3D printed lattice structured hip implant	Dr. Vijay Kumar Meena, Central	2410000

		Scientific Instruments Organisation	
100	Red-Ox Active Ferrocene Functionalized N-Heterocyclic Carbene-Molybdenum Complex for Catalytic Nitrogen Triple Bond Reduction	Dr. Biswajit Saha, North-East Institute of Science and Technology	1985000
101	Diastereoselective synthesis of Lamellarin alkaloid natural product fused spirooxindoles and its A series of evaluation of its biological activities against Mycobacterium tuberculosis and other bacterias.	Dr. YUVARAJ P, North-East Institute of Science and Technology	1690000
102	Variable selection in zero inflated models for regression analysis of count data	Dr. Deepak M Sakate, Shivaji University	670000
103	Nonlinear Particle Simulation of Radio Frequency Waves in Fusion Plasmas	Dr. Animesh Kuley, Indian Institute of Science	2730000
104	Role of hyperglycemia on macrophage effector function in pathophysiology of pulmonary Tuberculosis	Dr. Archana Singh, All India Institute of Medical Sciences, New Delhi	2180000
105	Quantification of endocrine disrupting chemicals (in various water bodies and clinical plasma from healthy, prediabetic and diabetic disorder subjects).	Dr. Santhakumari Bayatigeri, National Chemical Laboratory	875000
106	Estimation of Fugitive Carbon Dioxide Emissions from Indian Coal Mining Activities	Dr. jaywardhan kumar, Central Institute of Mining and Fuel Research	2470000
107	Non-contact method of vibration as well as velocity parameters estimation based on Goertzel algorithm in PLL Technique	Dr. Ksh Milan Singh, National Institute of Technology, Meghalaya	2010000
108	Design, Synthesis, Characterization and Evaluation of Anticancer Activity of Some new 1, 3, 4-oxadiazoles derivatives clubbed with Isoindoline 1, 3-dione	Dr. Jagadish Singh, Guru Ghasidas Vishwavidyalaya	1962000
109	Development of Phishing E-mail Detections and Filtering Systems	Dr. Ajay Uttamrao Surwade, North Maharashtra University	490000
110	Microbial Production of high value Malic Acid from low cost crude glycerol	Dr. B Bharathiraja, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	1000600
111	Approximation by generalized Kantorovich type sampling series	Dr. Sathish Kumar A, Visvesvaraya National Institute of Technology	735000
112	Development of nano-bioactive glass-ceramic powders for tissue engineering applications	Dr. Syamprasad P, National Institute of Technology, Warangal	1890000
113	Assessment of land surface parameters role for weather pattern in western Himalaya region	Dr. Dinesh Kumar, Central University of Jammu	2630000
114	In vitro adventitious root cultures of Picrorhiza kurroa as an alternative source of nutraceutical ingredients	Dr. Shashi Bhushan, CSIR-Institute of Himalayan Bioresource Technology	880000

115	Poly Cystic Ovarian Syndrome (PCOS): An investigation to find out reasons for discrepancy between hyperandrogenism (& hyperandrogenemia (and underlying etiologic (epigenetic & factors	Dr. Ashutosh Halder, All India Institute of Medical Sciences, New Delhi	1550000
116	Design and development of prototype hardware for efficient and automated solar powered irrigation system with pest control and weather forecasting using IoT	Dr. KARPAGAM NAGARAJAN N, Velammal College of Engineering and Technology, Madurai	872000
117	An Affordable Approach to Treat Domestic and Cesspit Wastewater from Community/Institutional Toilets using Integrated Anaerobic Baffled Reactor Technology	Dr. Asha Balasubrananian, Annamalai University, Chidambaram	975000
118	An aqueous rechargeable battery using Zinc anode and rGO-V ₂ O ₅ -SiO ₂ hybrid as cathode material.	Dr. Ravi Kumar Arun, Central Mechanical Engineering Research Institute	1725000
119	Induction of doubled haploids (in Tagetes species through microspore culture.	Dr. KANWAR PAL SINGH, Indian Agricultural Research Institute	1220000
120	Attenuation of quorum sensing and biofilm mediated virulence of Pseudomonas aeruginosa by selected phytochemicals and understanding the mechanism of action	Dr. Busi Siddhardha, Pondicherry University	2295000
121	Design And Development Of A Hybrid Powered Liquid Desiccant System For Air Conditioning And Fresh Water Production	Dr. RAJNEESH ., National Institute of Technology, Kurukshetra	1665000
122	Thermal analysis of a few synthesized magnetic and non- magnetic metal doped spinel ferrite nanocrystals by TGA/DTA and their subsequent structural, optical and electrical study	Dr. Ratan Das, Tripura University	4012000
123	Development of Electrochemical Immunosensor for Vitamin D Estimation	Dr. Nirmal Prabhakar, PANJAB UNIVERSITY	3070000
124	Development of Real Time UFMC System for Mobile Applications	Dr. Anuradha S, National Institute of Technology, Warangal	1530000
125	Regulatory roles of kisspeptin and neurokinin B in gonadal maturation of farmed carp Labeo rohita	Dr. Ashis Saha, Central Institute of Fresh Water Aquaculture	1345000
126	Investigations on the Cell Phone Tower Radiation and Mitigation Techniques	Dr. Mandha Damodaran Selvaraj, Indian Institute of Information Technology Design & Manufacturing Kancheepuram	2220000
127	Evaluation of Phytochemical and Pharmacological studies of some Indian Medicinal plants for Anti-Parkinsonian activity	Dr. Banoth Ramya Kuber, Sri Padmavati Mahila Visvavidyalayam	1660000

128	Genetic variants in vitamin D signaling pathway and risk of gestational diabetes in south Indian population	Dr. S Kanthi Mathi, Madras Diabetes Research Foundation	1392000
129	DYNAMIC MECHANICAL CHARACTERISTICS & ACOUSTIC PERFORMANCE OF COMPOSITES CONTAINING ELECTROLESS Ni-P PLATED NANO CERAMIC REINFORCEMENT: AN EXPERIMENTAL APPROACH	Dr. Shoba Chintada, Gandhi Institute of Technology and Management (GITAM)	2775000
130	Design and Implementation of Equivalent Electrical Gene Model for Genetic Disease Diagnosis	Dr. Tanusree Roy, University of Engineering & Management	900000
131	Design and development of plant actives based nano lipoidal systems for wound healing	Dr. Rajendra Kumar Jangde, Ravishankar Shukla University	420000
132	Design and Development of Highly Efficient Perovskite Solar Cells by Engineering the Non-Conventional Novel Hole Transporting Interlayers.	Dr. Murali Banavoth, University of Hyderabad	3800000
133	Optoelectronic and thermoelectric properties of transition metal dichalcogenides for green energy devices.	Dr. Amit Shankar, KURSEONG COLLEGE	1143700
134	NANOMATERIAL-BASED OPTICAL AND ELECTROCHEMICAL BIOSENSORS FOR DETECTION OF SIMULANTS OF WARFARE NERVE AGENTS	Dr. Manmohan Lal Satnami, Ravishankar Shukla University	1583000
135	JOINING OF SUPER AUSTENITIC STAINLESS STEEL TUBES BY AUTOGENOUS KEY-HOLE PLASMA TECHNIQUE FOR ADVANCED ULTRA SUPER CRITICAL BOILER APPLICATIONS	Dr. Rajakumar Selvarajan, Annamalai University, Chidambaram	3110000
136	Molecular Characterization Of Novel Mucin Degrading Bacteria From Human Gut And Its Role In Maintaining Intestinal Integrity	Dr. Krishan Kumar Selwal, Deenbanhu Chhotu Ram University of Science & Technology, Murthal	2615000
137	Mining Socio-economic Factors Affecting Agricultural Productivity in Sambalpur District, Odisha State: Soft Computing based Machine Learning Approaches	Dr. Bighnaraj Naik, Veer Surendra Sai University of Technology	870000
138	Technology Development and Recent Advances in Secondary Metabolites Extracted from Newer Species of Lichens occurring in Achanakmar-Amarkantak Biosphere Reserve in Central India	Dr. ABHISHEK KUMAR, Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg	900000
139	Buckwheat In Indian Himalayan And North Eastern Regions: Food Science And Nutrition Intervention For Better Understanding Of Buckwheat Quality, Wider Utilization As Value Addition In Common Processed Foods	Dr. CRASSINA KASAR, Central Food Technological Research Institute	1635000
140	Development Of Surface Plasmon Resonance Ellipsometry As Label-Free	Dr. Moirangthem Rakesh Singh, Indian	2570000

	Optical Biosensor For Ultrasensitive Detection Of Chemical And Biological Species	Institute of Technology, Dhanbad	
141	Studies on the Molecular mechanisms of Self-incompatibility in Ananas comosus (L.)	Dr. Radhamany Puthuparampil Madhavan, Kerala University	900000
142	SYNTHESIS AND EXPLORATION OF AQUEOUS PHASE CATALYSIS OF MAGNETIC DENDRON NANOHYBRID MATERIALS	Dr. Rangasamy Rajmohan, Guru Nanak College	1020000
143	Rational Design Approach In Synthesis And Evaluation Of Novel Molecules Against Non-Small Cell Lung Cancer	Dr. Anuruddha Rajaram Chabukswar, Maharashtra Institute of Pharmacy	1890000
144	Variable Frequency Ultrasonic Treatment on Microstructure and Dry Sliding Wear Behavior of Mg Alloy/UHTC Composite	Dr. Gnanavelbabu A, Anna University	3420000
145	Autosomal and Mitochondrial DNA perspectives of Dravidian SC/ST Populations in Tamil Nadu, south India	Dr. Krishnaveni Arumugam, National College	1600000
146	Spectral methods for fractional models of mathematical physics with new non- local and non-singular Caputo-Fabrizio derivative	Dr. Sunil Kumar, National Institute of Technology, Jamshedpur	1085000
147	Enhancing The Productivity And Grain Quality Of Rice-Wheat System Through Fertilizers, Industrial Wastes Compost And Bioinoculants Use	Dr. RamSwaroop Meena, Banaras Hindu University	1400000
148	DESIGN AND CHARACTERIZATION OF SBVT FOR ELASTIC OPTICAL NETWORKS	Dr. Jaisingh T, Indian Institute of Technology, Dhanbad	1170000
149	Development And Optimization Of A Bacterial Process For The Degradation And Detoxification Of Recalcitrant Organic Pollutants (ROPs) From Tannery Wastewater For Environmental Safety	Dr. RAM NARESH BHARAGAVA, Babasaheb Bhimrao Ambedkar University	2565000
150	Observational study of rare and neglected class of close	Dr. Devarapalli Shanti Priya, Osmania University	1000000
151	Elucidation of neuroendocrine effects of urotensin I, melanin concentrating hormone, and $\hat{I}\pm$ -MSH on pituitary-ovary axis in the fish <i>Oreochromis mossambicus</i>	Dr. Ganesh CB, Karnataka University	3070000
152	Improving the activity and stability of nanogel caged enzymes in presence of neoteric solvents for facile biocatalysis	Dr. Dibyendu Mondal, Jain University	2055000
153	Prevention Of Prenatal Death Using Enhancement of Signal To Noise Ratio In Fetal Electrocardiogram Extraction	Dr. suganthy mahamuni, Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College	735000
154	Biologically Active Natural Products: Modern (Coupling/ Catalytic/ C-H Activation) And Classical Synthetic Strategies For The Total Synthesis Of Biologically Potent Alkaloids.	Dr. NAGARAJAN RAJAGOPAL, University of Hyderabad	2015000

155	Genomic selection-based accelerated breeding in sugarcane (<i>Saccharum</i> species with special reference to sugar content and red rot resistance	Dr. Sanjeev Kumar, Indian Institute of Sugarcane Research	1300000
156	Synthesis and characterization of lead free perovskite films for photovoltaic applications	Dr. Ningthoujam Surajkumar Singh, Pachhunga University College	2115000
157	Investigation(of HCMV miRNAs role on Cellular Autophagy	Dr. Sunil Babu Gosipatala, Babasaheb Bhimrao Ambedkar University	2350000
158	Polydopamine Based Nanoparticles With Antimicrobial And Antiarsenic Properties For Water Disinfection And Remediation	Dr. Rajender Kumar, Sardar Vallabhbhai National Institute of Technology	2810000
159	Tissue-specific mitochondrial biogenesis, transcriptomics, and proteomics studies in buffalo	Dr. Sadeesh E.M, National Dairy Research Institute	2500000
160	Enhancement And Scale Up The Gingerol Content In The <i>Zingiber officinale</i> Using Gamma Radiation And Validation Of Its Antidiabetic Potential	Dr. Sureshkumar Periyasamy, Bharathidasan Institute of Technology (Campus	1730000
161	Design, Analysis And Practical Implementation Of Digital Controlled Islanding Detection Methods For Grid Connected Photovoltaic Systems	Dr. J Surya Kumari, Rajeev Gandhi Memorial College of Engineering & Technology	3060000
162	Design & Development of Axial Flux Switched Reluctance Motor based battery operated vehicle	Dr. Saravanan Palani, SSN College of Engineering	2545000
163	Analyzing the effects of meditation with and without music on autonomous nervous system	Dr. Mithilesh Atulkar, National Institute of Technology, Raipur	1065000
164	Development of microbial fuel cell (based process for domestic wastewater treatment and power generation: Application in improving treatment sustainability	Dr. Radha Rani Mewaram, Motilal Nehru National Institute of Technolgy	2310000
165	DEVELOPMENT OF SOLID STATE FERMENTATIVE PRODUCTION OF CHITOSANASE FROM CRUSTACEAN WASTE AND ITS APPLICATION AS AN ORGANIC MANURE	Dr. ChM Kumari Chitturi, Sri Padmavati Mahila Visvavidyalayam	1715000
166	Cytotoxic and tumor suppressor role of a novel fusion suicide gene bCDF186W-hPFN1 on rheumatoid arthritis	Dr. Kohila Vellaichamy, National Institute of Technology, Warangal	2510000
167	Developing Novel TiO ₂ /ZnO Multifunctional Nanomaterials Based Photoanode To Improve The Efficiency Of Photoelectrochemical Cell	Dr. Krishna Kanta Haldar, Central University of Punjab	3365000
168	Machine Based Behavioural Multiparametric Pain Assessment System	Dr. Narendra D Londhe, National Institute of Technology, Raipur	1320000
169	Phytomanagement Of The Mining Dump Soil Of West Singhbhum, Jharkhand By Using Bioenergy Plants	Dr. Kuldeep Bauddh, Central University of Jharkhand	1300000

170	Bioengineered 3D constructs for cartilage repair, osteochondral regeneration and high throughput drug screening towards osteoarthritis management	Dr. Biman B Mandal, Indian Institute of Technology Guwahati	2230000
171	Quantum Chemical Studies On Structure And Reactivity Of Ru, Os And Au Based Anticancer Drugs And Their Interaction With Bio-Molecules	Dr. Paritosh Mondal, Assam University	2080000
172	Detection, quantification and changing scenario of virulent population of Asian rice gall midge, Orseolia oryzae (Wood-Diptera : in new locations of Southern and Coastal regions and management strategies to overcome its menace in Karnataka	Dr. VIJAYKUMAR L, Director of Instruction, College of Agriculture	915000
173	Smart Health Mobile Case (SHMC): A Design of Remote Health Monitoring Kit using Internet of Things (IoT)	Dr. Samyurai A, Valliammai Engineering College	650000
174	Mammalian Bladder Is Not Sterile: Characterizing The Cattle (Cow) Urinary Microbiome For Understanding Its Therapeutic Value	Dr. Arvind Pratap Singh, Central University of Rajasthan	2335000
175	Fabricating rGO based highly sensitive non-cryogenic micro-bolometer sensor array for thermal imaging applications	Dr. Kiran Shankar Hazra, Institute of Nano Science and Technology	2000000
176	Involvement of FMRP and Arc during Traumatic Brain Injury induced Alzheimer's disease	Dr. Akash Gautam, University of Hyderabad	1555000
177	Design and Implementation of Time Modulated Antenna Arrays with Optimal Radiation Pattern in Both Transmission and Reception	Dr. DURBADAL MANDAL, National Institute of Technology, Durgapur	2050000
178	Investigation Of Multi-Frequency Multi-GNSS Signal Quality And Satellites Selection For Navigation Applications Over The India	Dr. KATEPOGU CHINNATHIKKA SWAMY, Pullaiah College of Engineering and Technology	3570000
179	A large volume furnace for insitu high temperature powder x-ray diffraction studies	Dr. Ramesh Karuppannan, Indian Institute of Science	2650000
180	Development of a novel nisin loaded organogel system: A topical therapeutic approach against skin cancer.	Dr. Simran Preet, PANJAB UNIVERSITY	2300000
181	INTROGRESSION OF APHID RESISTANT GENE(IN BRASSICA JUNCEA THROUGH EMBRYO RESCUE	Dr. Chandan Kishore, Bihar Agricultural University	2000000
182	Novel Solutions Using Innovations on the Proposed LTE-A D2D Communication Model for Smart Governance in the 5G Era	Dr. Bhaskar Sardar, Jadavpur University	2550000
183	Studies On Treatment Efficacy Improvement Of Existing Tannery Wastewater Treatment System	Dr. Abhay Raj, Indian Institute of Toxicology Research	2115000
184	Design and Synthesis of 2-Amido-4-aminoquinazoline Derivatives as Small Molecular EGFR Tyrosine Kinase Inhibitors for the Management of Cancer Therapy	Dr. Mangilal Chouhan, Mohan Lal Sukhadia University	1785000

185	Cooperative Uplink-Downlink Carrier Aggregation in LTE and WiFi in unlicensed spectrum for 5G system	Dr. Krishan Kumar, National Institute of Technology, Hamirpur	3550000
186	Interaction of Soil - Plant System for Removal of Heavy Metals from The Contaminated Sites Of Tirupati Urban, Andhra Pradesh, India.	Dr. K RAJU, Sri Venkateswara College of Engineering, Tirupati	1075000
187	Design And Development Of A System For Climb Free Coconut Harvesting	Dr. ANUP CHANDER, CSIR-Central Scientific Instruments Organisation	1800000
188	SYSTEMATIC AND MOLECULAR IDENTIFICATION OF EUGENIA SPECIES (OF SOUTHERN WESTERN GHATS)	Dr. RAJENDRAN A, Bharathiar University	1415000
189	Studies On Atmospheric Electrical Parameters Related To Climate Change At Mysuru.	Dr. M.Chandrashekara, Mysore University	3650000
190	Production and Characterization of Novel Exopolysaccharides (from Indigenous White Rot Fungi of Foot Hill Forests of Shivalik Ranges of Chandigarh Capital Region for Potential Industrial Applications)	Dr. Deepak Kumar Rahi, PANJAB UNIVERSITY	1940000
191	Hardware Model Implementation of IEEE-57 Bus Power System Network	Dr. mercy rosalina kotapuri, Vignana™s Foundation for Science, Technology and Research University	2555000
192	Investigations On High Mobility III-V, Ge And GeSn Nano CMOS Devices Including Radiation Effects For Analog/RF And Logic Applications	Dr. Abhijit Biswas, Calcutta University	3210000
193	Design and Development of Novel, Highly Scalable, Ultrafast Phase Change Memory for Universal Memory Applications	Dr. Anbarasu Manivannan, Indian Institute of Technology, Indore	3650000
194	Studies On Sophorolipids (Biosurfactant) Induced Phytoremediation Of Heavy Metal Contaminated Soil	Dr. Achlesh Daverey, Doon University	2290000
195	Peptides Functionalized Conducting Polymer-Graphene OFETs For Detection Of Aqueous Phase Pollutants	Dr. Mahendra Dashrath Shirsat, Babasaheb Ambedkar Marathwada University	3180000
196	Quantum Dot Containing Solid Core Fibers For Fiber Lasers And Allied Applications	Dr. Asha Bhardwaj, Indian Institute of Science	2050000
197	Providing limbic support to a partially paralytic person by generating movement to his/her paralytic hand by imitating the gesture of the other healthy hand and also develop ~™Sensation of touch™™ to it	Dr. Anisha Halder Roy, Calcutta University	1415000
198	Screening of plant resources for vitamin Dâ, f and its metabolites	Dr. Narendra Kumar, Central Institute of Medicinal and Aromatic Plants	1600000

199	Timestamp aware Aberrant Detection and Analysis in Big Visual Data using Deep Learning Architecture	Dr. Santosh Kumar Vipparthi, Malviya National Institute of Technology	1030000
200	EXPERIMENTAL INVESTIGATION OF A DOWNDRAFT BIOMASS GASIFIER USING DIFFERENT BIOMASS FEEDSTOCKS.	Dr. Prokash Chandra Roy, Jadavpur University	1420000
201	Towards Development Of Nutritional Alternative To Infant Feeding-Relevance Of Donkey Milk	Dr. Ramachandra CT, University of Agricultural Sciences	1815000
202	Monitoring The Pollution Intensity Of Lakes Of Coimbatore,Tamil Nadu, India	Dr. Muniasamy Muniyandi, Bharathiar University	1037500
203	Optimization Techniques For Network Layer Protocols In Internet Of Things	Dr. Dilip Kumar S.M, University Visvesvaraya College of Engineering (UVCE)	2550000
204	â€œDiversity, Molecular Taxonomy and Bioprospecting of Xylariales in Western Ghats region of Shivamogga dist, Karnataka, INDIAâ€• .	Dr. MADDAPPA KRISHNAPPA, Kuvempu University	1950000
205	Fabrication of high performance thermally, wind and sound driven flexible nanogenerator for a wide range applications	Dr. BRIJESH KUMAR, Amity University	2480000
206	Development of new approach for the enhancement of landfill capacity derived from experimental and mathematical modeling.	Dr. SUMEDHA CHAKMA, Indian Institute of Technology Delhi	500000
207	Fluvial Geomorphology Of Ken (Karnavati) River, Central India And The Role Of Seasonal Variation In The River Borne Sediment Characteristics	Dr. Kuldeep Prakash, Banaras Hindu University	1300000
208	Spatio-temporal distribution and source apportionment of carbon (OC/EC/and major ions in PM2.5 aerosols in the Himalayan foot-hills of Jammu region (J&K, India).	Dr. Rakesh Kumar, Jammu University	2575000
209	Development Of Novel Multifunctional Quinazolinone And Cyanoacetamide Based Heterocyclics With Cholinesterase Inhibition, Anti-B-Amyloid Aggregation, Antioxidant And Neuroprotective Properties As Innovative Drugs For Alzheimer's Disease	Dr. Amooru Gangaiah Damu, Yogi Vemana University	2300000
210	Exploring uncertainties for production bottlenecks of biodiesel in SCEM: Deterministic and Stochastic studies with dynamic optimization	Dr. Priti Kumar Roy, Jadavpur University	490000
211	Design, Synthesis, And Characterization Of High Strength And Wear Resistant Novel Light Weight AlTiLiMgX (X= Sc, V, Nb, Si) High Entropy Alloys By Powder Metallurgy For Defence And Automotive Applications	Dr. Shanmugasundaram T., Defence Institute of Advanced Technology	3635000

212	Diversity And Geographical Distribution Of Symbionts In Aphids On Different Host Plants: Sympatric Association And Infection Frequency	Dr. Shivanna B, University of Agricultural Sciences	1600000
213	Miniaturized Microwave Filters Using Novel Metamaterial Resonators	Dr. Gopikrishna Madanan, Maharaja's College	3000000
214	The Role Of Inflammasome In Snake Bite Envenomation: Possible Therapeutic Target In Local Tissue Damage	Dr. Rajesh Rajaiah, Mysore University	3120000
215	Synthesis, Structural And Thermal Expansion Studies Of Novel Langbeinites For High Temperature Applications	Dr. Pratheep Kumar, KPR Institute of Engineering and Technology	1425000
216	ACTIVE VIBRATION CONTROL OF LAMINATED COMPOSITE SANDWICH PLATES IN HYGROTEHRMAL ENVIRONMENT USING 1-3 PIEZOELECTRIC COMPOSITES	Dr. Subhaschandra Kattimani, National Institute of Technology Karnataka, Surathkal	3530000
217	Realisation Of MEMS Tunable Fabry Perot Filter For IR Imaging	Dr. Shanmugapriya M, Anna University	2000000
218	Tensor-valued wavelet analysis and application to solution of differential equations	Dr. RATIKANTA BEHERA, Indian Institute of Science Education and Research, Kolkata	625000
219	Synthesis, characterization and applications of some rare-earth doped dual mode phosphor	Dr. Amresh Bahadur, Banaras Hindu University	3150000
220	Transition Metal-Catalyzed C-H Nitrogenation and Oxygenation of Arenes using Sulfoxides as Functionalizable Directing Groups	Dr. BHANUCHANDRA M, Central University of Rajasthan	2010000
221	Harnessing of chickpea microbiome from various agro-ecological region of Uttar Pradesh to develop potential consortium for enhancing its production	Dr. JAY PRAKASH VERMA, Banaras Hindu University	1720000
222	Groundwater Uranium Contamination In Barnala District And Adjoining Areas Of South-West Punjab: Genesis And Characterization Of Fundamental Hydrogeological And Hydrochemical Processes That Control Uranium Mobilization And Transport In Groundwater.	Dr. Debabrata Das, PANJAB UNIVERSITY	2480000
223	Synthesis and optimization of dielectric and electrochemical properties of ZrO ₂ -Polymer nanocomposites: Role of interface modification	Dr. Rajesh Kumar, PANJAB UNIVERSITY	2055000
224	Designing and development of high efficiency inverted organic solar cells	Dr. Lalit Kumar, Hindu College, University of Delhi	2700000
225	The Near Future Air Cathode Osmotic Microbial Fuel Cell (OMFC) For Wastewater Treatment, Electricity Generation And Pure Water Extraction	Dr. Alka Arvindkumar Mungray, Sardar Vallabhbhai National Institute of Technology	1750000

226	Investigations on the critical behavior at the smectic-A to smectic-C phase transition in liquid crystals from high-resolution optical and calorimetric studies.	Dr. Malay Kumar Das, North Bengal University	3585000
227	Dynamics Of Phytoplankton Functional Groups And Primary Productivity Patterns Of Estuaries In The Southwest Coast Of India	Dr. Madhu N V, National Institute of Oceanography	1700000
228	The Study Of Surface Chemistry Induced Three Dimensional Tumor Model And Its Effect On Tumor Progression And Drug Response.	Dr. Rajesh Vasita, Central University of Gujarat	1120000
229	Study on the reclamation of Wasteland using treated/untreated urban wastewater	Dr. Chandran Sundararaj, Thiagarajar College of Engg	700000