

## Science & Engineering Research Board

List of Projects Sanctioned in the Year 2015-16

S.No.	Scheme	Title	PI Name	Institute & Address	Total Cost
1	EMR	Development of Sugar amino acid derived peptides self - assembling selectively on bacterial membranes ,forming ion pores and killing bacteria including MTB	Dr.Ravi Shankar Ampapathi	Central Drug Research Institute Lucknow 226031 Uttar Pradesh	2660000
2	EMR	Development of Sugar amino acid derived peptides self - assembling selectively on bacterial membranes ,forming ion pores and killing bacteria including MTB	Prof.Tushar Kanti Chakraborty	Indian Institute of Science Bangalore 560012 Karnataka	6384000
3	EMR	Band gap tuning of transtion metal oxides (ZnO,NiO, CuO,Fe2O3 )nanoparticles by Controlling microstrain and doping concentrations	Dr.SanjibKarmakar	Gauhati University Guwahati 781014 Assam	1588800
4	EMR	Investigation of physical aging in High Tg polymers by the combination of PSPLS & DSC methods	Dr.Asmita Sengupta	Visva -Bharati Central University Bolpur Santiniketan 731235 West Bengal	1553520

5	EMR	Investigation of ultiferroic properties of rare earth and transition metal doped Bismuth ferrite for functional applications	Dr.I.B.Shameem Banu	B.S.Abdur Rahman University Chennai 600048 Tamilnadu	2355300
6	EMR	An Artificial muscle based on Ferrogel fibers	Prof.M.R.Anantharaman	Cochin University of Science And Technology Cochin 682022 Kerala	4613200
7	EMR	Investigations of RM Magnetron Sputtered Cu <sub>2</sub> ZnSnS <sub>4</sub> (CZTS) Absorber layer for sustainable solar cell applications	Dr.R.Balasundaraprabhu	PSG College of Technology Coimbatore 641004 Tamilnadu	3476800
8	EMR	Multiscale modelling of complex fluids	Dr.Santosh Ansumali	Jawaharlal Nehru Centre for Advanced Scientific Research Bangalore 560064 Karnataka	4936800
9	EMR	Non -Linear Dynamics	Prof. Sumitra Phanjoubam	Manipur University Imphal 795003 Manipur	1889750
10	EMR	Study of the transcriptional mechanisms underlying pulmonary fibrosis and their modulations by therapeutic agents	Dr.Ritu Kulshreshta	Vallabhbhai Patel Chest Institute ,Delhi University Delhi 110007 Delhi	5745000
11	EMR	Metal catalysed formal diastereo -and enantioselective cycloaddition reactions of carbohydrate derived vinylcyclopropanes	Dr.Taraknath Kundu	National Institute of Technology Sikkim South Sikkim 737139 West Bengal	3184000

12	EMR	The bastar carton -the eastern ghats Granulite Belt accretion: timing the event	Dr.Pritam Nasipuri	Indian Institute of Science Education and Research Bhopal Bhopal 462066 Madhya Pradesh	2323000
13	EMR	Bioinventorying of Ascomycetus fungi colonizing plant litter in the forest of Andaman and Nicobar Islands ,India	Dr.V.Venkateswara Sarma	Pondicherry University Puducherry 605014 Puducherry	3961200
14	EMR	Exploring Heat -stable Rubsico activase from wheat or Maize for augmenting the activity of Rubisco under the heat stress	Dr.Ranjeet Ranjan Kumar	Indian Agriculture Research Institute New Delhi 110012 Delhi	4833600
15	EMR	RNA-seq for discovery of novel transcriptome -based markers in withaholide pathway genes and their mapping across indian ginseng withania somnifera	Dr.Tripta Jhang	Central Institute of Medicinal & Aromatic Plants Lucknow Lucknow 226015 Uttar Pradesh	3768400
16	EMR	Integrated proteomic metabolomic and ionic approach in the xsero - halophyte Haloxylon salicornicum to understand its reponse towards salinity and drought stress	Dr.Asish Kumar Parida	Central Salt and Marine Chemical Research Institute Bhavnagar 364002 Gujarat	2923000

17	EMR	Biogeochemical cycling ,microbial diversity and finding novel enzymes from the fire and match works drainage deposit in Sivakasi	Dr.N.Ayyadurai	Central Leather Research Institute Chennai 600020 Tamilnadu	4616000
18	EMR	Signals regulating B. Cell Developmnet nad maturation	Dr.Satyajit Rath	National Institute of Immunology New Delhi 110067 Delhi	5298000
19	EMR	Regulation of cytoskeletal components by TRPV receptors and vice versa relevant in cancer and neuropathic pain	Dr.Chandan Goswami	National Institute of Science Education and Research Bhubaneswar 751005 Odisha	3399000
20	EMR	Skeletal effect of stimulation of receptor activator of NF-kB lingand (RANKL) from Osteoblast by Theophylline and the mechanisms of action the drug	Dr.Naibedya Chattopadhyay	Central Drug Research Institute Lucknow 226031 Uttar Pradesh	4509000
21	EMR	FVIII inhibitors in Hemophilia A : Correlation with gene mutation and cytokine profile	Dr.Nuzhat Husain	Dr.Ram Manohar Lohia Institute of Medical Sciences Lucknow 226010 Uttar Pradesh	4373000
22	EMR	Evaluation of the protective efficacy and stability of BCG dry powder Aerosol on non Human primates (Rhesus Monkeys )	Dr.P.K.Upadhyay	National Institute of Immunology New Delhi 110067 Delhi	4423000

23	EMR	Regulation of the mycobacterial stress response by the two component system senX3-RegX3 in Mycobacterium tuberculosis	Dr.Manikuntata Kundu	Bose Institute Kolkata 700009 West Bengal	5660000
24	EMR	To establish the diagnostic criteria for the celiac patients with the higher titers of h-TG/DGP	Dr.Bikash Medhi	Postgraduate Institute of Medical Education & Research Chandigarh 160012 Chandigarh	4719000
25	EMR	E3 Ubiquitin ligases in breast cancer : identification of novel interacting proteins o E3 ubiquitin ligase E6AP from breast cancer cells	Dr.Arun Kumar Trivedi	Central Drug Research Institute Lucknow 226031 Uttar Pradesh	4928000
26	EMR	Characterization of isomorphic graphs diagraphs and Hypergraphs using vertex proper substructure	Dr.S.Ramachandran	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION Kumaracoild 629180 Tamilnadu	2358000
27	EMR	Some New Summability Methods with applications in approximation theorms	Prof.Mursaleen	Aligarh Muslim University Aligarh 202002 Uttar Pradesh	1530000
28	EMR	Study and Analysis of Mathematical Models of Nonlinear fractional Order diffusion equations	Dr.Subir Das	Indian Institute of Technology (BHU)Varanasi 221005 Uttar Pradesh	1692000
29	EMR	Generalized Inverse of amatrix and its applications	Prof.K.Manjunatha Prasad	Manipal Institute of Technology ,Manipal University Manipal 576104 Karnataka	1634702

30	EMR	Heat Augmentation from a Square Heated Cylinder due to Rectangular Eddy promoter and Nanofluids under the incident of Couette poiseuille flow	Dr.Dilip Kumar Maiti	Birla Institute of Technology & Science Pilani Pilani 333031 Rajasthan	1428000
31	EMR	Behzad -vizing conjecture on graph coloring for product graphs	Prof.K.Manjunatha Somasundram	Amrita Vishwa Vidyapeetham Coimbatore 641112 Tamilnadu	1140000
32	EMR	Mathematical Aspects of computability models based on different data structures	Dr.Kalpana Mahalingam	Indian Institute of Technology Chennai 600036 Tamilnadu	1338000
33	EMR	Problems on heat and mass transfer in physiological fluid dynamics :Modeling and simulation	Prof.J.C.Misra	Indian Institute of Engineering Science and Technology Howrah Shibpur 711103 West Bengal	2574000
34	EMR	Quantum probability and Dempster -Shafer approach to human cognition modeling	Prof.Sisir Roy	Indian Statistical Institute Kolkata 700108 West Bengal	2574000
35	EMR	Measurement of Flicker Noise in Mixed Valence polycrystalline $R_{1-x}A_xMnO_3$ Manganite system with R As Rare Earth Elements and A as Divalent Alkali Metals	Dr.Upendrantha Nandi	Scottish Church College Kolkata 700006 West Bengal	5460000

36	EMR	Assessment of Genetic Structure linkage disequilibrium and marker -wood trait association in CPTs of teak (Tectona Grandis L.F.) maintained at National teak germplasms bank ,chandrapur (M.S.)using molecular markers	Dr.S.A.Ansari	Institute of Forest Productivity Ranchi 835303 Jharkhand	5221400
37	EMR	A Study on equatorial ionosphericbehaviour during magnetically quiet /disturbed periods and neural network modeling using GPC TEC and Scintillation data	Dr.K.Unnikrishnan	NSS Hindu College Changanacherry 686102 Kerala	3079800
38	EMR	Studies on Moisture recycling and atmospheric residence times over India and its adjoining Oceans	Dr.T.V.Lakshmi Kumar	SRM University Kattankulathur 603203 Tamilnadu	2246000
39	EMR	Simulation of Coastal Processes on North -West Bay of Bengal	Dr.Sourav Sil	Indian Institute of Technology Bhubneswar Bhubaneswar 751007 Odisha	4075000
40	EMR	Bioprocess development for production of debittered kinnow juice for preparing low alcoholic naturally carbonated beverage and Kinnow -wine	Dr.(Mrs.)Param Pal Sahota	Punjab Agricultural University Ludhiana 141004 Punjab	3397200

41	EMR	Measurements of Black carbon (BC) aerosol species and aerosol optical properties over a semi-urban location in western India and its implications for short wave radiative forcing	Dr.G.R.Aher	Nowrosjee Wadia College Pune 411001 Maharashtra	4592000
42	EMR	Studies on larval trematodes of medicinal and veterinary importance	Prof.K.C.Pandey	University of Lucknow Lucknow 226007 Uttar Pradesh	3331200
43	EMR	Development of a experimental strategy of oxime therapy in organophosphorus poisoning : A step towards personalized health care	Dr.Dibyjyoti Banerjee	Postgraduate Institute of Medical Education & Research Chandigarh 160012 Chandigarh	1000000
44	EMR	Proof of concept experimentation on gene correction in iPSCs and creating disease models of zebra fish by Genome editing methods	Dr.Indumathi Mariappan	Hyderabad Eye Research Foundation Hyderabad 500034 Telangana	4462000
45	EMR	Isolation and characterization of Asaphodata indica constituents for anti mycobacterial activity against mycobacterium tuberculosis in vitro and ex vivo within human macrophages	Dr.Varsha Mehra	Shaheed Rajguru College of Applied Sciences for women New Delhi 110096 Delhi	2332000



46	EMR	Studying the role of Rho A Rock signaling in onventional outflow pathway using human organ culture anterior segment (HOCAS ) an implication in Glaucome Therapy	Dr.S.Senthilkumari	Aravind Medical Research Foundation Madurai 625020 Tamilnadu	5323000
47	EMR	Major histrocompatibility complex class I realted antigen A and B (MICA/B) : Biomarkerstudy for cancer	Dr.Meghnad Ganesh Joshi	D Y Patil University Kolhapur 416006 Maharashtra	3631000
48	EMR	Phyto pharmacological investigations on Actaea acuminata (Wall ex Royle ) H.Hara	Dr.Suresh Kumar	Punjabi University Patiala 147002 Punjab	1973000
49	EMR	Magento -functional properties of materials : Exchange bias and magnetic refrigeration	Dr.Saurav Giri	Indian Association for the Cultivation of Science Kolkata 700032 West Bengal	20041820
50	EMR	Theoretial High Energy Physics	Dr.Biswanath Layek	Birla Institute of Technology and Science Pilani Pilani 333031 Rajasthan	2130000
51	EMR	Computational Studies on structural electrical ,redox and optical properties of various lignad and solvent protected bimetallic gold nanocluster	Dr.Ganga Periyasamy	Bangalore University Bangalore 560056 Karnataka	2211400

52	EMR	Studies on Titania areogel metal organic framework (MOF) Composite basec Photoanodes for efficeincy enhancement in dye solar cells	Dr.X.Sahaya Shajan	PSN College of Engineering and Technology Melathendiyoor Tirunelveli 627152 Tamilnadu	2344000
53	EMR	Quantum dynamics of energy transfer processes in atom - molecular ion interaction	Dr.T.J.Dhilip Kumar	Indian Institue of Technology Ropar Rupnagar 140001 Punjab	2396000
54	EMR	Medium Band Gap Donor-Acceptor Conjugated Polymers towards fabrication o fbulk Heterojunction solar cells	Dr.Anandan Sambandam	National Institute of Technology Tiruchirappalli 620015 Tamilnadu	4003200
55	EMR	Ultrafast spectroscopic studies of proton coupled Electron Transfer in Different polyarenes derivatives including prophyrin based system	Dr.Prakriti Ranjan Bangal	Indian Institute of Chemical Technology Hyderabad 500007 Telangana	4949800
56	EMR	Computational Studies into small Molecule activation	Dr.Kumar Vanka	National Chemical Laboratory Pune 411008 Maharashtra	2620000
57	EMR	Novel modified biopolymer based hydrogels and nanogels : synthesis ,characterization and application	Dr.Sagar Pal	Indian Institute of Mines Dhanbad 826004 Jharkhand	3526000

58	EMR	Kinetic and Thermodynamic studies of the effects of synergistic and nonsynergistic anions on Blood plasma Transferrin	Dr.Rajesh Kumar	Thapar University Patiala 147004 Punjab	5263600
59	EMR	Quantitative Studies of hydrogen Bonding and Electrostatic interactions energiees in proteins : Insights from Advanced Charge Density Analysis	Dr.Parthapratim Munshi	Shiv Nadar University Dadri 203207 Uttar Pradesh	5300000
60	EMR	Bat (Chiroptera ); Diversity ,threats and conservation strategies in siang Valley ,Arunachal Pradesh	Dr.Asham Borang	State Forest Research Institute Itanagar 791113 Arunachal Pradesh	3188400
61	EMR	An investigation of black shale of jhuran Formation in Kutch for Shallow marine anoxia in Jrassic	Prof. Santanu Banerjee	Indian Institute of Technology Bombay Mumbai 400076 Maharashtra	5543000
62	EMR	Crustal Growth along proterozoic SE India: parameterization of Mantle sources ,Melting mechanisms and magma Differentiation processes	Prof. Kopparapu Vijaya Kumar	Swami Ramanand Teerath Marathwada University Nanded 431606 Maharashtra	3680000
63	EMR	Application of autozygosity mapping and exome sequncing to identify genetic basis of disorders of skeletal development	Dr.Girisha K.M.	Kasturba Medical College Manipal Manipal 576104 Karnataka	4813200

64	EMR	Studying the properties of Elliptic -Gaussain Vortices created in quantized radiation field	Dr. Abir Bandyopadhyay	Hooghly Engineering & Technology College Hooghly 712103 West Bengal	1914310
65	EMR	Hydrogen Storage on alkali metal functionalized porous discrete organic and polymer hosts for onboard utilization	Dr.Venkataramanan N.S.	SASTRA University Thanjavur 613401 Tamilnadu	2394600
66	EMR	Synthesis ,Structural,Chracterization ,Stability and chemical nuclease activity os some Cu(II) and Zn (II) complexes containing imidazole and pyridine moiety with multiple ligation sites	Dr.Neelakantan M.A.	National Engineering College Kovilpatti 628503 Tamilnadu	4425000
67	EMR	Study of thermal and light induced spin crossover phenomene in coordination complexes	Dr.Sanjit Konar	Indian Institute of Science Education and Research Bhopal Bhopal 462066 Madhya Pradesh	5326000
68	EMR	Development of Fe(III) complexes of biuret based macroyclic ligands : From catalysts for C-H activation to chemical probes for singnal amplification in analyte detection	Dr.Sayam Sen Gupta	National Chemical Laboratory Pune 411008 Maharashtra	4926000

69	EMR	Mixed metal oxides as heterogamous catalysts for the triacetin synthesis	Dr.Amjad Ali	Thapar Institute of Engineering & Technology ,Thapar University Patiala Patiala 147004 Punjab	4211000
70	EMR	Investigation of molecular dynamics in arious soft matter using dielectric relaxation spectroscopy	Dr.Aninda Jiban Bhattacharyya	Indian Institue of Science Bangalore 650087 Karnataka	5500000
71	EMR	Excited state properties using inter medicate Hamiltonian theory	Dr.Nayana Parashuram Vaval	National Chemical Laboratory Pune 411008 Maharashtra	3188200
72	EMR	Technology and modeling of chemically etched silica fiber based comonents and devices	Dr.Partha Roy Chaudhari	Indian Institute of Technology Kharagpur Kharagpur 721302 West Bengal	3223712
73	EMR	CIMPA School-Current Research in Finite Element Mehtods	Prof. Neela Nataraj	Indian Institute of Technology Bombay Mumbai 400076 Maharashtra	995000
74	EMR	Artificial Photosynthesis Metalloporphyrins Naphthalenedimide Conjugates	Dr.Sidhanath Vishwanath Bhosale	Indian Institute of Chemical Technology Hyderabad 500007 Telangana	3606800
75	EMR	Synthesis and Diverse property studies on Mn doped ZnO Nanoparticles	Dr.B.N.Dole	Dr.Babasaheb Ambedkar Marathwada University Aurangabad 431004 Maharashtra	1987968

76	EMR	Development of Nanostructured SnO <sub>2</sub> -Graphene composite based biosensors for Neurotransmitter sensing	Dr.C.Sekar	Algapappa University Karaikudi 630003 Tamilnadu	4900000
77	EMR	Development of intermediate temperature (550-750°C) anode and electrolyte supported solid oxide fuel cells	Dr.B.Shri Prakash	National Aerospace Laboratories Bangalore 560017 Karnataka	3342757
78	EMR	Correlation between magnetotransport, Non Volatile charge memory and electronic structure of Nanocomposite films	Dr.Santanu Ghosh	Indian Institute of Technology Delhi New Delhi 110016 Delhi	3638400
79	EMR	Bioengineering of 4-hydroxy isoleucine and diosgenin in fenugreek and differential expression studies of their metabolic pathway genes	Dr.Nandini P.Shetty	Central Food Technological Research Institute Mysore 570020 Karnataka	2732000
80	EMR	B-Physics at Belle and Belle II experience at KEK, Japan	Dr.Bipul Bhuyan	Indian Institute of Technology Guwahati Guwahati 781001 Assam	4599200
81	EMR	Alkenyl phenanthrimidazole based iridium complexes for organic light emitting diodes	Dr.Jayaraman Jayabharathi	Annamalai University Annamalai Nagar 608002 Tamilnadu	4176000
82	EMR	miR-325: A distinct micro-RNA that controls T-Regulatory cell development and function	Dr.Gaurishankar Sa	Bose Institute Kolkata 700054 West Bengal	5168000

83	EMR	Long Term study of the Sun using Kodaikanal Digitized data	Dr.B.Ravindra	Indian Institute of Astrophysics Bangalore 560034 Karnataka	2228400
84	EMR	Development of novel nanostructured corrosion resistant Hybrid materials for biomedical applications	Dr.N.Rajendran	Anna University Chennai 600025 Tamilnadu	3456800
85	EMR	Efficient poly (ethylene oxide ) based electrolytes for lithium sulfur batteries	Dr.Arul Manuel Stephan	Central Electrochemical Research Institute Karaikudi 630006Tamilnadu	3771000
86	EMR	Magneto-optic trapping of strontium atoms for experiments towards distributed quantum information processing	Dr.Umakant Damodar Rapol	Indian Institute of Science Education and Research Pune 411008 Maharashtra	5480000
87	EMR	Atomistic simulations of boron nanoclusters for hydrogen storage and electro -optical applications	Dr.Sridhar Sahu	Indian School of Mines Dhanbad 826004 Jharkhand	2523840
88	EMR	Analysis of complex systems and emerging behavior under the combined framework of network theory and random matrix theory	Dr.Sarika Jalan	Indian Institute of Technology Indore Indore 452017Madhya Pradesh	1995840
89	EMR	Matter wave bright and vortex solitons in spin orbit coupled Bose -Einstein condensates	Dr.Murugandam Paulsamy	Bharathi Dasan University Tiruchirappalli 620024Tamilnadu	2289040

90	EMR	Neutrino scattering at different energy scales and its applications	Dr.Kalpana Bora	Gauhati University Guwahati 781014 Assam	2191600
91	EMR	Analysis of synchronization in coupled nanolinear systems using invariant measures	Dr.Kiran Murlidhar Kolwankar	Ramniranjan Jhunjhunwala College Mumbai 400086 Maharashtra	1854370
92	EMR	Phenomenology and Cosmology of the new Minimal Supersymmetric SO(10)GUT	Dr.Charanjit Singh Aulakh	Indian Institute of Science Education & Research Mohali Mohali 140306Punjab	2857920
93	EMR	Photo-physical studies of some molecules in solution ,bulk and ultrathin films in presence and absence of nano -clay investigations of fluorescence resonance energy transfer and sensor application	Dr.Syed Arshad Hussain	Tripura University Suryamaninagar 799022Tripura	3040000
94	EMR	Exporing A site Mangentic and A Site ordered spinel oxides for magnetoelectric and multiferroic propeties	Prof. Sundaresan Athinarayanan	Jawaharlal Nehru Centre for Advanced Scientific Research Bangalore 560064Karnataka	3980000
95	EMR	Ferroelectric and piezoelectric and piezoelectric properties of modified barium Titanate ceramics	Dr.K.Chandramani Singh	Sri Venkateswara College (University of Delhi New Delhi 110021Delhi	2844000
96	EMR	Quantum Field Theory and Higher spin fields	Dr.Sudarshan Ananth	Indian Institute of Science Education and Research Pune 411008Maharashtra	347650



97	EMR	Identification and characterisation of the role of allium sativum -microbiome on the production of therapeutic metabolites	Prof. Bharat B.Chattoo	The M.S.University of Baroda Vadodara 390002Gujarat	6337000
98	EMR	Molecular Mechanism (s) involved in vitamin D Deficiency induced muscle atrophy	Dr.Ayesha Ismail	National Institute of Nutrition Hyderabad 500005Telangana	6298000
99	EMR	Magnesium based functionally gradient materials system for orthopedic applications	Dr.Debrupa Lahiri	Indian Institute of Technology Roorkee Roorkee 247667Uttarakhand	5391000
100	EMR	Genomic & Proteomic change following administration of Ayurvedic Rasayanas in Wild type and Neurodegenerative Drosophila models	Dr.Prof.S.C.Lakhotia	Banaras Hindu University Varanasi 221005Uttar Pradesh	8627000
101	EMR	Spatial Distribution and Seasonal variations of organic particulates in the Ambient Air of Visakhapatnam	Dr.P.V.V.Prasada Rao	Andhra University Visakhapatnam 530003Andhra Pradesh	3860000
102	EMR	Structure ,Entropy and Dynamics in Supercooled liquids	Dr.Sarika Maitra Bhattacharyya	National Chemical Laboratory Pune 411008 Maharashtra	3776400
103	EMR	Magnetic Measurement studies on PPM & Hybrid undulator by stretched wire method	Dr.Ganeswar Mishra	Devi Ahilya Vishwavidyalaya Indore 452001 Madhya Pradesh	4411200

104	EMR	Exploring the quantum measurement problem in the context of weak quantum measurements	Prof. Arvind	Indian Institute of Science Education and Research Knowledge Mohali 140306 Punjab	2473600
105	EMR	Development of green and red emitting nanophosphors for blue LED pumped white light emission for lighting	Dr.Naorem Shanta Singh	Nagaland University Lumami Lumami 797001 Nagaland	4494400
106	EMR	Photovoltaic and Grain Boundary characteristics of single target sputtered Cu <sub>2</sub> ZnSn(Sse) <sub>4</sub> thin film solar cells	Dr.Bhaskar Chandra Mohanty	Thapar University Patiala 147004Punjab	5526400
107	EMR	Deciphering the role of noise in Mammalian cell cycle regulation under the influence of signaling pathways	Dr.Sandip Kar	Indian Institute of Technolog Bombay Mumbai 400076 Maharashtra	4768400
108	EMR	Theoretical investigation of optical transport and magnetic properties in mesoscopic systems	Dr.Anirban Mishra	North Bengal University Darjeeling 734430 West Bengal	3099600
109	EMR	Single particle photoluminescence investigation of multichromophoric $\pi$ -stacked aggregates	Dr.Debansu Chaudhuri	Indian Institute of Science Education and Research Kolkata 741252 West Bengal	7190000

110	EMR	New Frontiers in Quantitative mid -infrared High resolution cavity Ring Down Spectroscopy using quantum cascade Laser	Dr.Manik Pradhan	S.N.Bose National Centre for Basic Science Kolkata 700098 West Bengal	5150000
111	EMR	Laser cooling and trapping of rubidium atoms	Prof. Ajay Wasan	Indian Institute of Technology Roorkee 247667 Uttarakhand	5490000
112	EMR	Fluorescence and ultrafast pump-probe studies of interfacial charge transfer dynamics from semiconductor nanocrystals	Prof. Anunay Samanta	University of Hyderabad Hyderabad 500046 Telangana	5500000
113	EMR	Identification and characterisation of the role of allium sativum -microbiome on the production of therapeutic metabolites	Prof. Bharat B.Chattoo	Amrita Vishwa Vidyapeetham Kollam 690525 Kerala	1148000
114	EMR	The Impact of oxygen induced defects in TiO <sub>2</sub> -based resistive switching devices	Dr.Aloke Kanjila	Shiv Nadar University Dadri 203207 Uttar Pradesh	5329800
115	EMR	Mimicking the GMR multilayer structure with novel double layer brownmillerite system A <sub>3</sub> BB/GaO <sub>8</sub> : structure ,magnetic and magneto transport studies	Dr.Santhosh P.N.	Indian Institute of Technology Chennai 600036 Tamilnadu	5024800

116	EMR	Study and fabrication of chiral photonic metamaterials structures	Dr.Joby Joseph	Indian Institute of Technology Delhi New Delhi 110016Delhi	5807200
117	EMR	Understanding the impact and response of Glacier Retreating on floristic Diversity and societal livelihoods at Naradu glacier in Kinnaur district of Himachal Pradesh	Dr.J.C.Rana	National Bureau of Plant Genetic Research New Delhi 110012Delhi	2380000
118	EMR	Study of drought conditions in the eastern gangetic plain under present and future climate	Dr.P.P.Sarthi	Central University of Bihar Patna 800013Bihar	3596000
119	EMR	Estimation of Glacier stored water in the Karakoram Himalaya	Dr.Harendra Singh Negi	Snow & Avalanche Study Establishment (DRDO) Research & Development Centre Chandigarh 160036Chandigarh	3749000
120	EMR	Possibility of using native phytate solubilizing bacterial strains to enhance P availability by utilizing phytate -P reservoir in tea soil	Dr.Prabhat Pramanik	Tockali Tea Research Institute ,Tea Research Association Jorhat 785008Assam	3489600
121	EMR	Marker Profiling of geophila repens as a potential source for drug development against Alzheimer disease	Dr.Atish Kumar Sahoo	Regional Plant Resource Centre Bhubaneswar 751015Odisha	1143000

122	EMR	Motor Adaption and skill learning in parkinson's disease	Dr.Pratik Mutha	Indian Institute of Technology Gandhinagar Ahmedabad 382424 Gujarat	5438000
123	EMR	Experimental Realization of the topological insulators from the Heusler Compounds	Dr.Sebastian C.Peter	Jawaharlal Nehru Centre for Advanced Scientific Research Bangalore 560064 Karnataka	5628400
124	EMR	Carbon Nanostructures based Hydrogen storage system for fuel Cells	Dr.A.Karthigeyan	SRM University Kattankulathur 603203 Tamilnadu	5681825
125	EMR	Studies on Membrane proteins interactions on Liposome DNA Gold Nanoparticle Composite tethered on gold Transducer for Biosensing	Dr.Venkataraman Dharuman	Algapappa University Karaikudi 630003Tamilnadu	4470800
126	EMR	Glacial Chronology Palaeoclimatic reconstruction and their climate implications in the Thangu Valley ,Sikkim Himalaya, India with special emphasis on luminescence characteristics of feldspar and quartz	Dr.Sheikh Nawaz Ali	Birbal Sahni Institute of Palaeobotany Lucknow 226020Uttar Pradesh	3973200
127	EMR	Functionalized Nano-structured silicoaluminophospates materials : Synthesis, Characterization and its catalytic applications	Dr.Sakthivel Ayyamperumal	University of Delhi New Delhi 110007 Delhi	5206800

128	EMR	Expression dynamics of TP53 and its isoforms during hypoxia: Role of hypoxia-regulated microRNAs (miRNAs)	Dr.Mahboob Ul Hussain	University of Kashmir Srinagar 190006Jammu & Kashmir	5090000
129	EMR	Synthesis of ordered mesoporous carbon composite materials for electrochemical sensing of metal ions	Dr.Thinakaran N.	Alagappa Government Arts College KaraikudiKaraikudi 630003Tamilnadu	1978000
130	EMR	Development of multiferroic composites involving magnetic and ferroelectric oxides for magnetoelectric applications	Dr.Prakash Nath Vishwakarma	National Institute of Technology Rourkela Rourkela 769008Odisha	6470000
131	EMR	Disc Like conjugated $\pi$ -stacking molecules for organic electronics	Prof.Kannan Palaninathan	Anna University Chennai 600025 Tamilnadu	2906800
132	EMR	Low Grade waste heat to useful energy thermocells	Dr.Harinipriya S.	SRM University Kattankulathur 603203 Tamilnadu	4913200
133	EMR	Galvanic replancement reaction (GRR) strategy for hollow /porous alloyed metallic nanostructures for low cost nanocatalysis and UV-vis plasmonic nanosensing applications	Dr.Janardan Kundu	National Chemical Laboratory Pune 411008 Maharashtra	2340000

134	EMR	Design and Development of two dimensional van der waals solids and their applications	Dr.V.Subramanian	Central Leather Research Institute Chennai 600041Tamilnadu	4266800
135	EMR	Study of nanoparticle fluorophore interaction inside surfactant assemblies	Dr.Kalyanasis Sahu	Indian Institute of Technology Guwahati Guwahati 781039Assam	5250000
136	EMR	Nano/Micro Scale Organic Photonic solids	Prof.R.Chandrasekhar	University of Hyderabad Hyderabad 500046Telangana	5094000
137	EMR	Biomechanics: Modeling and simulations	Prof.Sanjay Kumar	Banaras Hindu University Varanasi 221005Uttar Pradesh	4713200
138	EMR	Study of Molecular dynamics in the low energy electron collisions with jet-cooled molecules	Dr.Dhannanajay Nandi	Indian Institute of Science Education and Research Kolkata Kolkata 741252West Bengal	4947000
139	EMR	Spin assisted squeezing and quantum computing in cavity optomechanics	Dr.Asoka Biswas	Indian Institute of Technology Rupnagar 140001Punjab	2346549
140	EMR	Complexity Measures from multifractal analysis to characterize ECG data for diagnosis and therapy	Prof.Gouri Ambika	Indian Institute of Science Education and Research Pune 411008Maharashtra	3745175
141	EMR	Additivity Principle and thermodynamic characterization of mass transport processes	Dr.Punyabrata Pradhan	S.N.Bose National Centre for Basic Science Kolkata 700098West Bengal	2538000

142	EMR	Nano-structured materials synthesized from transition metal carbides /Nitrides for electrocatalytic applications	Dr.Vivek Kumar Bagchi	Institute of Nano Science and Technology Mohali 160062Punjab	2470000
143	EMR	Studies on the effect of polymeric species (added or generated in situ) on nonlinear chemical Reaction and applications	Prof.Ghulam Mustafa Peerzada	University of Kashmir Srinagar 190006Jammu & Kashmir	3989600
144	EMR	Studies of Hadronic Interactions within the K-matrix Method to probe strongly intercatng matter	Dr.D.Radhey Shyam	Saha Institute of Nuclear Physics Kolkata 700064West Bengal	2110000
145	EMR	Novel Oxides : Preparation in bulk & thin film from & investigation for multifunctiional properties	Dr.Ratnamala Chatterjee	Indian Institute of Technology Delhi New Delhi 110016Delhi	5418400
146	EMR	Structure -Reactivity Correlations of High Valent Metal Intermediates Bearing Structurally Tunable Coordination Spheres	Dr.Chivukula V.Sastri	Indian Institute of Technology Guwahati 781039Assam	4690000
147	EMR	Localised Surface plasmon coupled whispering gallery modes of microcavities	Dr.Prem B.Bisht	Indian Institute of Technology Madras Chennai 600036Tamilnadu	4062340
148	EMR	Effect of Doped Phthalate Crystals for nNollinear optical applications	Prof. Subbiah Meenakshisundaram	Annamalai University Annamalai Nagar 608002Tamilnadu	2772000



149	EMR	Development of Bi-Static Radar Remote sensing Techniques for SWE retrieval	Dr.Gulab Singh	Indian Institute of Technology Bombay Mumbai 400076 Maharashtra	5035000
150	EMR	Synergistic participation of redox non innocent azo aromatic ligands (s) and metal in catalysis	Prof.Sreebrata Goswami	Indian Association for the Cultivation of Science Kolkata 700032 West Bengal	4600400
151	EMR	Phase III randomized trial of image guided intensity modulated radiotherapy (IG-IMRT) and Conventional Radiotherapy for Late toxicity reduction after postoperative radiotherapy in Ca cervix	Dr.Supriya Chopta	Tata Memorial Centre Mumbai 400012 Maharashtra	4742000
152	EMR	Study of single nucleotide polymorphisms (SNPs) in gene related to angiogenesis in Indian Patients with takayasu arteritis	Dr.Debashish Danda	Christian Medical College Vellore Vellore 632004 Tamilnadu	5500000
153	EMR	Modelling Glacier Stored Water in Estern Himalaya	Dr.Raaj Ramasankaran	Indian Institute of Technology Bombay Mumbai 400076 Maharashtra	4916800
154	EMR	Electric field driven phase stabilization and Structure property correlation in A -site disordered lead free piezocermics	Dr.Saket Asthana	Indian Institute of Technology Hyderabad Hyderabad 502205 Telangana	4813200

155	EMR	Magneto transport studies on ferromagnet /semiconductor heterojunctions for spintronic applications	Dr.Amal Kumar Das	Indian Institute of Technology Kharagpur Kharagpur 721302West Bengal	4372000
156	EMR	Investigation of the molecular dynamics at the interface of liquid crystal and immiscible structures	Dr.Ashok Manikrao Biradar	National Physical Laboratory New Delhi 110012Delhi	2368512
157	EMR	Development of bioactive 3D scaffold with nano/micro hierarchy for bone tissue engineering through combinatorial approach	Dr.Santanu Dhara	Indian Institute of Technology Kharagpur 721302West Bengal	4845000
158	EMR	Effect of dietary Ayurvedic Rasayanas on the innate response in drosophila melangaster	Dr.Madhu G.Tapadia	Banaras Hindu University Varanasi 221005Uttar Pradesh	5448000
159	EMR	Mapping of breast cancer transitions to identify the Underlying biology of tumor progression using next generation sequencing (NGS) technologies	Dr.Sudeep Gupta	Tata Memorial Centre Mumbai 400012Maharashtra	5228000
160	EMR	In vitro and in vivo evaluation of $^{99m}\text{Tc}(\text{CO})_3$ lebbled RGD conjugated bioreductive pharmacophore and nucleoside analogue for potential use as tumor targeted SPECT radiopharmaceutical	Dr.Mita Chatterjee Debnath	Indian Institute of Chemical Biology Kolkata 700032West Bengal	3291000

161	EMR	Investigation of (8) and (10) shogaols and their derivatives for anticancer activity	Dr.K.R.Mahadik	Poona College of Pharmacy, Bharati Vidyapeeth ,Deemed University Pune 411038 Maharashtra	1800000
162	EMR	Experimental Investigation of High Frequency Magnetic Electron Drift Waves in Plasmas	Dr.Nikhil Chakrabarti	Saha Institute of Nuclear Physics Kolkata 700064 West Bengal	4258800
163	EMR	Estimation of Ice Thickness and Surface Velocity using GPR and DGPS on Satopanth Glacier	Dr.Harish Chandra Nainwal	Hemwati Nandan Bahuguna Garhwal University Srinagar Garhwal 246174 Uttarakhand	6200000
164	EMR	Design and Synthesis of 1,8 Naphthalimide -Based Receptors : Chemosensor and Biosensor Development	Dr.Narinder Singh	Indian Institute of Technology Ropar Rupnagar 140001 Punjab	3919600
165	EMR	Copper peroxynitrite Complexes and phenol Ring Nitration	Dr.Biplab Mandal	Indian Institute of Technology Guwahati Guwahati 781039 Assam	4190000
166	EMR	Novel Indole derivatives and their metal complexes for Alzheimer's disease	Dr.Prasad Padmakar Kulkarni	Agharkar Research Institute Pune 411004 Maharashtra	2690000
167	EMR	Rational Design for the Syntheses of multiple bonded compounds involving heavier group 14 elements and their reactivity	Dr.Anukul Jana	Tifr Centre for Interdisciplinary Sciences Hyderabad 500075 Telangana	2590000

168	EMR	New Method of efficiently degrading organic compounds by sonophotocatalysis using diffused sunlight with graphene and metal oxides -nano composites	Prof.Neppolian Bernaurdshaw	SRM University Kattankulathur 603203Tamilnadu	3306800
169	EMR	Development of high capacity lithium sulphur battery for electrochemical energy storage	Dr.Sourindra Mahanty	Central Glass and Ceramic Research Institute Kolkata 700032West Bengal	2611800
170	EMR	Synthesis of chiral hypervalent spirodiazaselenuranes and their catalytic role in the synthesis of medium ring size bromolactones	Dr.Sangit Kumar	Indian Institute of Science Education and Research Bhopal Bhopal 462066Madhya Pradesh	3412000
171	EMR	Synthesis, spectroscopic characterization and reactivity studies of some novel pincer ligands supported transition metal dinitrogen complexes	Dr.Sivasankar Chinnappan	Pondicherry University Puducherry 673310Puducherry	3475000
172	EMR	Synthesis, Characterization reactivity and catalytic aspects of vanadium complexes	Dr.Mannar Ram Maurya	Indian Institute of Techology Roorkee Roorkee 247667Uttarakhand	3190000

173	EMR	Reversible Mechanochromism and Aggregation induced emission (AIE) in tetraphenylethylene derivatives	Dr.Rajneesh Misra	Indian Institute of Technology Indore Indore 452017Madhya Pradesh	4626000
174	EMR	Nanocomposites as catalysts for generation of hydrogen gas from water in PEMFC	Dr.M.S.Ameerunisha Begum	Jamia Millia Islamia New Delhi 110062Delhi	3784000
175	EMR	Exploring lectin and other protein based nanomaterials as potential tools for drug delivery and as anticancer agents	Prof.Chebrolu Pulla Rao	Indian Institute of Technology Mumbai 400076Maharashtra	3855000
176	EMR	Modelling High -valent metal -oxo/imido species mediated catalytic transformations : transformations: DFT and ab initio exploration	Prof.Gopalan Rajaraman	Indian Institute of Technology Bombay Mumbai 400076Maharashtra	2890000
177	EMR	Hydrogenation, Dehydrogenation and Dehydrogenative Coupling	Prof.Jitendra Kumar Bera	Indian Institute of Technology Kanpur 208016Uttar Pradesh	4741000
178	EMR	Aggregation Induced Emission Enhancement Materials : Synthesis and Evaluation of Photophysical Properties	Dr.Vandana Bhalla	Guru Nanak Dev University Amritsar 143005Punjab	5094000
179	EMR	SERB School on Computational Meteorology	Prof.D.V.Bhaskar Rao	K.L University Vaddeswaram 522501Andhra Pradesh	1960000

180	EMR	Bioinspired Catalysis C-H Halogenations and Oxidations by Active Metal Species	Dr.Debabrata Maiti	Indian Institute of Technology Bombay Mumbai 400076Maharashtra	3444000
181	EMR	Developing Bifunction Nickel Catalyst of N/O Functionalized N-Heterocyclic Carbene Ligand for Asymmetric Base Free Medical Addition Reaction	Prof.Prasenjit Ghosh	Indian Institute of Technology Mumbai 400076Maharashtra	3090000
182	EMR	Functionalized Cobalt and Iron sandwich compounds : Synthesis, catalytic and mechanistic studies of new chiral and achiral ligands and their metal complexes	Dr.Anil J.Elias	Indian Institute of Technology Delhi New Delhi 110016Delhi	4122000
183	EMR	Photoswitchable Reversible Molecular Transport Developing Medel Systems	Dr.Sugumar Venkataramani	Indian Institute of Science Education and Research Mohali 140306Punjab	3026000
184	EMR	Enantoselective Synthesis of Isoindolinones and Tetrahydroisoquinolines	Dr.V.K.Singh	Indian Institute of Technology Kanpur Kanpur 208016Uttar Pradesh	5330000
185	EMR	Design for Energy Efficient Synthesis of biologically Relevant Heterocycles	Prof.Goutam Brahmachari	Visva-Bharati University Birbhum 731235West Bengal	3526000
186	EMR	New Conjugated Systems for Organic Electronic Devices	Dr.Sanjio S.Zade	Indian Institute of Science Education and Research Kolkata 741246West Bengal	3547000

187	EMR	Studies Toward Regioselective C-H Activation for carbon Carbon and Carbon Heteroatom bonds Formation	Prof.Tharmalingam Punniyamurthy	Indian Institute of Technology Guwahati Guwahati 781039 Assam	3878000
188	EMR	Comparative NMR Study of structure and dynamics of VDACs human VDAC1 and rice VDAC4, using segmental isotope labeling technique	Dr.Vinesh Vijayan	The Indian Institute of Science Education and Research Thiruvananthapuram Thiruvananthapuram 695016 Kerala	3588000
189	EMR	To Develop chemically modified non toxic bio polymers for therapeutically effective controlled drug delivery system	Dr.Animesh Ghosh	Birla Institute of Technology Ranchi 835215 Jharkhand	3676000
190	EMR	Ruthenium Catalyzed C-H Bond Functionalization of Aromatics, Heteroaromatics and Alkenes via chelation assisted deprotonation metalation Pathway	Dr.Masilamani Jeganmohan	Indian Institute of Science Education and Research Pune Pune 411008 Maharashtra	5426000
191	EMR	Studies on metal catalyzed stereoselective C-C, C-N and C-O Bond Formation Via borrowing Hydrogen Methods Using Continuous Flow Techniques	Dr.Gnanaprakasan Boopathy	Indian Institute of Science Education and Research Pune 411008 Maharashtra	5176000

192	EMR	Design and Synthesis of 2-Aminosugar based organocatalysts for on water based asymmetric reactions	Dr.Mohabul Alam Mondal	Gaur Banga University Malda 732101 West Bengal	3636800
193	EMR	IsoDNA/isoRNA G-quadruplex oligomers for increased stability and biological function Competence	Dr.Moneesha Fernandes	National Chemical Laboratory Pune 411008 Maharashtra	2718000
194	EMR	Highly Efficient Synthesis of Carbo and Heterocyclic Scaffolds Via Multi Component and Cascade Reactions of $\alpha$ -functionized Nitroalkenes	Prof.Irishi Narayanan Namboothiri	Indian Institute of Technology Mumbai 400076 Maharashtra	3840000
195	EMR	Guided Functionalisation of unactivated sp <sup>3</sup> C-H bonds organocatalysis : New applications in organic synthesis	Dr.Chandrasekhar Srivari	Indian Institute of Chemical Technology Hyderabad 500007 Telangana	2835000
196	EMR	Development of novel double hydrogen bond donor catalysis for asymmetric diels Alder Reactions	Dr.Chandrakumar Appayee	Indian Institute of Technology Gandhinagar Gandhinagar 382424 Gujarat	3426000
197	EMR	Transition metal catalyzed simultaneous C-H Activation and Hetero Atom Transfer Synthesis of Bioactive Derivatives of Heterocyclic Compounds	Dr.Upendra Sharma	Institute of Himalayan Bioresource Technology Palampur 176061 Himachal Pradesh	3326000



198	EMR	Environment Responsive Fluorescent Peptide nucleic acid conjugates : Design Synthesis and Applications in Nucleic acid Diagnosis	Dr.Srivatsan G Seergazhi	Indian Institute of Science Education and Research Pune 411008 Maharashtra	6316000
199	EMR	Development of a General Synthetic Approach directed towards the total synthesis of bioactive iridoid class of terpenoids	Dr.Tabrez Khan	Indian Institute of Technology Bhubneswar Bhubaneswar 751013Odisha	3162000
200	EMR	Synthesis of fused heteroaromatic derivatives through molecular Hybridization technique and their in vitro evaluations as anticancer agents	Dr.Kamaldeep Paul	Thapar University Patiala 147004Punjab	3526000
201	EMR	Ostwald Step Rule Entropy Enthalpy decomposition in phase transformation in phase transformation in condensed phase and in relaxation dynamics	Dr.Biman Bagchi	Indian Institute of Science Bangalore 650087 Karnataka	5500000
202	EMR	Studies on Promoter induced rapid non-Aqueous media synthesis of efficient and Eco-Friendly Sapo -35 catalysis for methanol to olefin reaction	Dr.Venkatathri Nayayanan	National Institute of Technology Warangal Warangal 506004 Telangana	2966000

203	EMR	Density Functional Theory of many electron systems in cartesian grid	Dr.Amlan Kumar Roy	Indian Institute of Science Education and Research Kolkata Kolkata 741246West Bengal	2521000
204	EMR	Conformation -Specific Electronics Circular Dichroism Spectroscopy in isolated gas phase	Dr.Aloke Das	Indian Institute of Science Education and Research Pune 411008Maharashtra	5500000
205	EMR	Synthesis and characterization of recyclable chiral metal complexes for asymmetric aza Henry reaction of isatin N-protected ketamine /Cyclic imines under homogeneous conditions	Dr.Rukhsana I.Kureshy	Central Salt and Marine Chemical Research Institute Bhavnagar 364002Gujarat	3226000
206	EMR	Green Synthetic Routes to develop ultrasmall luminescent Nanocrystals for sensing applications	Dr.Venkataramanan Mahalingam	Indian Institute of Science Education and Research Kolkata Kolkata 741246West Bengal	3540000
207	EMR	Chemical Synthesis of the rate sugar containing bacterial glycoconjugates and oligosaccharides	Dr.Suvarn Subhash Kulkarni	Indian Institute of Technology Bombay Mumbai 400076Maharashtra	3844000
208	EMR	Development of Novel Greenary Organocatalytic methods for the Asymmetric synthesis of drug like Heterocycles	Prof.C.R.Rao	University of Hyderabad Hyderabad 500046 Telangana	5500000

209	EMR	Aminoquinoline based molecular hybrid : Synthesis activity ,docking and heme binding studies	Prof.Diwan S.Rawat	University of Delhi Delhi 110007 Delhi	3026000
210	EMR	Site -selective direct C-H Bond functionalization by early transition metal-carbenoid insertion and its applications	Dr.Ramakrishna G.Bhat	Indian Institute of Science Education and Research Pune 411008Maharashtra	5445900
211	EMR	Nanoparticle embedded biodegradable microgels for potential anticancer drug delivery system	Dr.Vaishali Sanjay Shinde	Pune University Pune 411007Maharashtra	3000000
212	EMR	Control Polymorph Nucleation of drug on functionalized surfaces	Dr.Bipul Chandra Sarma	Tezpur University Tezpur 784011Assam	2626000
213	EMR	Semiconducting Thiophene based electronic materials for organic solar cells	Dr.Asit Patra	National Physical Laboratory Delhi 110012Delhi	3276000
214	EMR	New Metal Free Methods for carbon -Carbon Bond Cleavage : A Novel Strategy for Enantioselective Amino Acid Synthesis	Dr.Bhoopendra Tiwari	Centre for Biomedical Research Lucknow 226014Uttar Pradesh	3826000
215	EMR	Design, Synthesis and Application of novel Superhydrophobic Nano Porous Coordination Polymers (SNPCPs)	Dr.Prabhakara Rao Koya	Vignan's Foundation for Science Technology and Research University Vadlamudi Guntur 522213 Andhra Pradesh	2531000
216	EMR	Water Soluble Transition metal complexes synthesis and catalysis	Dr.Sabuj Kumar Kundu	Indian Institute of Technology Kanpur 208016Uttar Pradesh	4526000

217	EMR	Evaluating the potentials of Ayurvedic Amalaki Rasayana and Rasa Sindoor in Suppressing Alzheimer's and parkinson's disease in mouse models : metabolic and molecular studies	Dr.Anant Bahadur Patel	Centre for Cellular and Molecular Biology Hyderabad 500007Telangana	7076000
218	EMR	Dynamics of charge carriers in ion conducting galsses	Prof.Aswini Ghosh	Indian Association for the Cultivation of Science Kolkata 700032West Bengal	5006800
219	EMR	Natural Mineral Sand/Biomass Rice Husks as a sustainable source of Nano Silicon for cost effective solar cells	Dr.Venkat Tachalam Rajendran	KSR College of Technology Namakkal 637215Tamilnadu	2543520
220	EMR	Multi Colour Eloelectroluminescent Divices uisng Complex Nanocrystals as Acitive Elements	Dr.Somobrata Acharya	Indian Association for the Cultivation of Science Kolkata 700032 West Bengal	3740000
221	EMR	Semiconducting chalcogenide Quantum Dots for exploiting the power of solar energy	Dr.Pankaj Sharma	Jaypee Institute of Information Technology Solan 173234Himachal Pradesh	1699000
222	EMR	Investigation of multiple double layer dynamics and physical characterization of double layer plasma in a magnetic mirror device for application in plasma based propulsiion system	Dr.Jintendra Nath Roy	National Institute of Technology Agaratala Agartala 799055Tripura	2748000

223	EMR	Study of mechanical, Electrochemical and electrical properties of some ionogel electrolytes for the application in lithium ion batteries	Dr.Subhratanu Bhattacharya	University of Kalyani Kalyani 741245 West Bengal	3874080
224	EMR	The study of association of has - miR-4485 with mitochondria and regulation of its and cell death in human cells	Dr.Rajesh Singh	Maharaja Sayajirao University of Baroda Vadodara 390020 Gujarat	4710000
225	EMR	Nickel Complexes supported by N,S-Donor Ligands : Relevance to the active site of acetyl CoA Synthesis	Dr.Apurba Kumar Patra	National Institute of Technology Durgapur Durgapur 713209 West Bengal	6500000
226	EMR	Sym N,N,N-Triarylguanidines as Scaffolds for new Class of metallacycles and half sandwich complexes of platinum group metals	Dr.Thirupathi Natesan	University of Delhi New Delhi 110007 Delhi	2891000
227	EMR	Design and Exploration of hydrophilic schiff base ligands for palladium catalyzed organic reactions in aqueous media	Prof.Pankaj Das	Dibrugarh University Dibrugarh 788004 Assam	2881000
228	EMR	Probing endosomal toll-like receptor biology using novel small molecules antagonists	Dr.Arindam Talukdar	Indian Institute of Chemical Biology Kolkata 700032 West Bengal	3290000

229	EMR	Chemical methodologies directed towards synthesis of antibody drug conjugates	Dr.Vishal Rai	Indian Institute of Science Education and Research Bhopal Bhopal 462066Madhya Pradesh	3274000
230	EMR	Formation of C(sp <sup>3</sup> )-X(X=halo ) and C(sp <sup>3</sup> )-N bond through sulfoximine assisted C(sp <sup>3</sup> )-H functionalization and stereoselective C-H functionalization	Dr.Akhila Kumar Sahoo	University of Hyderabad Hyderabad 500046Telangana	3698000
231	EMR	Tuning the emission in doped and codoped nanocrystals a single particle study	Dr.Sameer Sapra	Indian Institute of Technology Delhi New Delhi 110016Delhi	3462000
232	EMR	Molecular Diversity through cascade C-H activations	Dr.Ranjan Jana	Indian Institute of Chemical Biology Kolkata 700032West Bengal	2690000
233	EMR	Metal and Oxidant free stereoselective sp <sup>3</sup> C-H arylation : Facile access to optically active disubstituted N-Heterocycles and their application in synthesis	Dr.Chandan Kumar Jana	Indian Institute of Technology Guwahati Guwahati 781039Assam	3090000
234	EMR	Molecular Recognition Driven Ready to Make Organic Functional Liquids for Advanced Applications	Dr.Santhosh Babu Sukumaran	National Chemical Laboratory Pune 411008Maharashtra	4190000
235	EMR	Selective Inhibition of Zinc Transport protein to Insulin Novel Approach for Type 2 Diabetes Control	Dr.Suvarna Shenvi	Vittal Mallya Scientific Research Foundation Bangalore 560076 Karnataka	2671000

236	EMR	Asymmetric Catalysis : Exploring Organosilanes in Stereospecific and convergent reactions	Dr.Ramesh Rasappan	Indian Institute of Science Education and Research Thiruvananthapuram 695016 Kerala	550000
237	EMR	Development of Novel Visible Light Promoted Transformation	Dr.Anand Singh	Indian Institute of Technology Kanpur 208016Uttar Pradesh	4790000
238	EMR	Exploration of Naturally Occurring beta hydroxy Gamma - Amino Acids (Statines ) in the design of foldamers and biological active peptidomimetics	Dr.Hosahudya N.Gopi	Indian Institute of Science Education and Research Pune 411008Maharashtra	5026000
239	EMR	Molecular Materials for organic light emitting diodes	Prof.Satish Patil	Indian Institute of Science Bangalore 560012 Karnataka	5590000
240	EMR	Tailor Made polymers via reversible addition - fragmentation chain transfer (RAFT) polymerization in Ionic Liquid A Green and Clean Polymerization Process	Dr.Nikhil Kumar Singha	Indian Institute of Technology Kharagpur Kharagpur 721302West Bengal	4152000
241	EMR	Asymmetric Organocatalytic Benzylic C-H Activation: Application to the synthesis of sugiol and its dervatives with biological study	Dr.Subhas Chandra Pan	Indian Institute of Technology Guwahati Guwahati 781039Assam	4905000

242	EMR	Design, Synthesis and Biological evaluation of Mycobacterium tuberculosis serine /threonine protein kinase B(PknB) inhibitors	Prof.Sriram Dharmarajan	Birla Institute of Technology and Science Pilani Hyderabad 500078Telangana	2761000
243	EMR	Real Space imaging of the mixed state in unconvesntional and idsordered superconductors using low temperature scanning tunneling spectroscopy	Prof.Pratap Raychaudhuri	Tata Institute of Fundamental Research Pune 400005Maharashtra	4267154
244	EMR	Development of bifunctional catalysts based on squaramide scaffold for asymmetric organic synthesis	Dr.Md.Mahiuddin Baidya	Indian Institute of Technology Madras Chennai 600036Tamilnadu	3090000
245	EMR	Small Molecular donors of reactive sulfur species	Dr.Harinath Chakrapani	Indian Institute of Science Education and Research Pune 411008 Maharashtra	5590000
246	EMR	Cobalt(III) and rhodium (III) catalyzed asymmetric C-H bond functionlization	Dr.Modhu Sudan Maji	Indian Institute of Technology Kharagpur Kharagpur 721302West Bengal	5500000
247	EMR	Synthesis of the polysaccharide fragmetns of streptococcus pneumoniae strains for the prepration of glycoconjugate derivatives	Dr.Anup Kumar Misra	Bose Institute Kolkata 700054West Bengal	1690000



248	EMR	Copolymer based novel hydrophobic /hydrophilic /amphiphilic membranes and their applicatons	Dr. Suresh Kumar Jewrajka	Central Salt and Marine Chemical Research Institute Bhavnagar 364002Gujarat	2411000
249	EMR	Synthesis of a library of Aza-C-KRN7000 and Aza galactolipid analogues for immunomodulatory screening	Dr.Ravi Shankar Lankalapalli	National Institute for Interdisciplinary Science and Technology Thiruvananthapuram 695019Kerala	2368000
250	EMR	Stereoslective synthesis of solandelactone E Sorangicin A and Allgnes from propargylic sulfides exploiting $\alpha$ -chloro sulfides	Dr.Raghavan Sadagopan	Indian Institute of Chemical Technology Hyderabad 500007Telangana	2290000
251	EMR	Deciphering the role of ER alpha in modulating the strength of STAT3 function	Dr.Malini Laloraya	Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram 695014Kerala	4978000
252	EMR	Integrated Advance Geo-Scientific approach for evaluation of shale gas potential of permo triassic shales of Kommegundan and Mandapeta region of Krishana Godavari Basin India	Dr.J.Devaraju	University of Petroleum and Energy Studies Dehradun 248008Uttarakhand	2713000
253	EMR	Microbial ecology and distribution of geochemical cycling genes in an hot spring ecosystem	Dr.Mahesh S.Dharne	National Chemical Laboratory Pune 411008Maharashtra	1656000

254	EMR	Evaluating tectonics of the Indian Lithosphere and sub moho dynamics with respect to exhumation and present day configuration of the Indian continental margin in the indus suture zone ,Ladakh : An integrated magneto telluric seismological and structural approach	Dr.Gatutam Rawat	Wadia Institute of Himalayan Geology Dehradun 248001Uttarakhand	2773000
255	EMR	Geochemical investigation of heavy metals and REEs in water and surface sediments : An implication in restoration and conservation of Ken and betwa rivers	Dr.Anshumali	Indian School of Mines Dhanbad 826004Jharkhand	2450000
256	EMR	Irradiation of Polypyrrole -Poly (3,4-ethylenedioxythiophene ) (Ppy-PEDOT) Nanotubes doped with bimetallic nanoparticles for biomolecules sensing using micro electrodes	Dr.Jeyaraj Wilson	Algapappa University Karaikudi 630003Tamilnadu	3046000
257	EMR	Investigation of Dynamics of Chromophores involved in singlet exciton fission processes towards solar cells applications	Dr.Karunakaran Venugopal	National Institute for Interdisciplinary Science and Technology Thiruvananthapuram 695019Kerala	5300000

258	EMR	Transition metal dichalcogenide (MX <sub>2</sub> :M=Mo,W,V&X=S Or Se) and carbon nanocomposites as an effective electrode materials for lithium -Ion Batteries	Dr.Helen Annal Therese	SRM University Kattankulathur 603203Tamilnadu	4394600
259	EMR	Preparation and characterization of lanthanides doped materials for multifunctional applications	Dr.Vineet Kumar Rai	Indian School of Mines Dhanbad 826004Jharkhand	2535840
260	EMR	To be filled by applicant ) study of transverse momentum dependent formalism of pQCD and its application to Quarkonium systems	Dr.Anuradha Misra	University of Mumbai Mumbai 400098Maharashtra	2930400
261	EMR	Polycyclic 1,4-Benzoxazines via oxidative dearomatization and intramoleculr aza -diels alder cyclization ,synthesis of levofloxacin	Dr.(Ms.)Neelima D.Tangellamudi	B V Raju Institute of Technology Medak 502313Telangana	3593000

262	EMR	Study of role of lactone signaling and alginate production on neutrophil interaction, apoptosis and subsequent macrophage mediated phagocytosis against pseudomonas aeruginosa biofilm associated infections	Dr.Vishnu Agarwal	Motilal Nehru National Institute of Technology Allahabad 211002Uttar Pradesh	4140000
263	EMR	Genetic , Epigenetic and biochemical profile of lumbar disc degeneration in indian population	Dr.Dhananjaya IBhat	National Institute of Mental Health & Neuro Sciences Bangalore 560029Karnataka	2740400
264	EMR	Synthesis and screening of novel lamellarin analogues as potential agents against mycobacterium tuberculosis	Dr.Muthyala Muralikrishna Kumar	Anna University Visakhapatnam 530003Andhra Pradesh	3196400
265	EMR	Characterization of soap nut (Sapindus trifoliatus L.) Trypsin inhibitor and determination of its biological activity using in vitro cell culture model (Revised proposal )	Dr.Vijaya Rachel Kappala	Gandhi Institute of Technology and Management Visakhapatnam 530045Andhra Pradesh	3160000
266	EMR	Genetic and epigenetic changes in imprinted genes in male partners of women experiencing recurrent spontaneous abortions	Dr.Nafisa H.Balasinor	National Institute of for Research in Reproductive Health Mumbai 400012Maharashtra	5441000

267	EMR	Effective Management of multifactorial alzheimer's disease : an attempt of nanostructured lipid carriers containing donepezil and curcumin through olfactory to brain	Dr.Gowthamarajan Kuppusamy	JSS College of Pharmacy Udhagamandalam 643001Tamilnadu	1180000
268	EMR	Mapping neural regions involved in reading process in skilled adult deaf reader : From neuroimaging prespective (Functional Magnetic resonance Imaging (fMRI) and diffuse tensor imaging (DTI.)	Dr.Uttam Kumar	Centre of Biomedical Research Lucknow 226014Uttar Pradesh	1510000
269	EMR	Rationally designed indolizine derivative (s) as multitarget anticancer agent for inhibition of cancer cell growth and metastasis	Dr.Vipin Kumar	Central University of Rajasthan Jaipur 305801Rajasthan	1200000
270	EMR	Jamming Transitions and structure formation of model collidal systems in extensional and shear flow	Dr.Apratim Chatterji	Indian Institute of Science Education and Research Pune Pune 411008Maharashtra	3306800
271	EMR	Investigation the role of papain like cysteine protease in Hepatitis E virus replication	Dr.Kavita Satish Lole	National Institute of Virology Pune 411001Maharashtra	5445200

272	EMR	Development of receptor mediated endocytosis based irinotecan biotin conjugated as selective colon tumor targeting agents	Dr.Manu Sharma	Maharishi Markandeshwar University Ambala 133207Haryana	5166000
273	EMR	Poly ADP-ribosylation of Akt implication in the development in the development of diabetic cardiomyopathy	Dr.Ravi Sundaresan Nangalingam	Indian Institute of Science Bangalore 650087Karnataka	5766000
274	EMR	Synthesis of polycyclic aromatic hydrocarbons for organic field effect transistor applications	Dr.Someshwar Pola	Osmania University Hyderabad 500007Telangana	3751800
275	EMR	Development of fluorescence based selective chemical sensor for magnesium ion under physiological condition	Dr.Kalyan K.Sadhu	Indian Institute of Technology Roorkee Roorkee 247667Uttarakhand	3690000
276	EMR	Cooperative effect of two or more metal centers in the activation and reduction of Dioxygen : Implications for Oxidation catalysis	Dr.Tapan Kanti Paine	Indian Association for the cultivation of Science Kolkata 700032West Bengal	4490000
277	EMR	Host Nucleosomes forming a docking station for dengue virus capsid protein C-a structural analysis	Dr.Dileep Vasudevan	Institute of Life Sciences Bhubaneswar 751023Odisha	4703700

278	EMR	Stereoselective Synthesis of Biologically important aza-, carba and oxacyclic compounds via enolate anions and dianions	Prof.Manas Kumar Ghorai	Indian Institute of Technology Kanpur 208016Uttar Pradesh	4326000
279	EMR	Modulation of therapeutic targets aurora kinases A and B by phytochemicals in breast cancer cells	Dr.Sutapa Mukherjee	Chittaranjan National Cancer Institute Kolkata 700026West Bengal	2115000
280	EMR	Collective dynamics of active polymers: implications for cytoskeletal structure and dynamics	Dr.Abhishek Chaudhuri	Indian Institute of Science Education and Research Mohali Mohali 140306Punjab	2813200
281	EMR	Diagnosis of plasmas in ECR ion sources	Dr.Santosh Kumar Mahapatra	Birla Institute of Technology Ranchi 835215Jharkhand	5085649
282	EMR	Metal-based fluorescent Nanoparticles in bio-mimicking and biologically relevant assemblies -synthesis, characterization and possible applications	Dr.Swati De	University of Kalyani Kalyani 741245West Bengal	5488200
283	EMR	Investigation DNA replication protein Cdc45 in leishmania donovani	Dr.Swati Saha	University of Delhi Delhi 110007Delhi	4978943
284	EMR	Identification of cellular factors with a role in human L1 retrotransposition	Dr.Prabhat Kumar Mandal	Indian Institute of Technology Roorkee Roorkee 247667Uttarakhand	4741000

285	EMR	Controlling electronic switching in organo metallic molecular patterns at solid -liquid interface using scanning electrochemical tunneling microscopy	Dr.Thiruvancheril G.Gopakumar	Indian Institute of Technology Kanpur Kanpur 208016Uttar Pradesh	5500000
286	EMR	A study on measure theoretical approach to convergence of sequences in probalistic normal spaces	Dr.Mausumi Sen	National Institute of Technology Silchar Silchar 788010Assam	1535520
287	EMR	Numerical Methods for a class of singular two point boundary value problems	Dr.Pradip Roul	Visvesvarya National Institute of Technology Nagpur Nagpur 440010Maharashtra	1683720
288	EMR	Nonlinear singular differential euations arising in real life	Dr.Amit K.Verma	Birla Institute of Technology and Science Pilani 333031Rajasthan	1651680
289	EMR	Development of higher order conmpact scheme to caputre taylor column phenomena in rotating fluids	Dr.T.V.S.Sekhar	Indian Institute of Technology Bhubneswar Bhubaneswar 751013Odisha	2125680
290	EMR	Graph labelling and its applications	Dr.Anita Pal	National Institute of Technology Durgapur Durgapur 713209West Bengal	1791840
291	EMR	Lasers and Nonlinear Optics	Prof.K.Porsezian	Pondicherry University Puducherry 605014Puducherry	1826250



292	EMR	Ocular Candida albicans: overcoming antibiotic resistance by identification of genes involved in biofilm formation and antagonizing biofilm formation	Dr.S.Shivaji	Hyderabad Eye Research Foundation LV Prasad Eye InstituteHyderabad 500034Telangana	4917000
293	EMR	Efficacy of early language intervention program for children with repaired cleft lip and palate	Dr.M.Pushpavathi	All India Institute of Speech and Hearing Mysore 570006Karnataka	4320896
294	EMR	Exploring gene expression differences between atherosclerotic and non-atherosclerotic coronary and peripheral arteries within a patent to enable discovery of novel targets that mediate development of localized atherosclerotic plaques	Dr.Rupak Mukhopadhyay	Tezpur University Sonitpur 784028Assam	2594000
295	EMR	Exploring gene expression differences between atherosclerotic and non-atherosclerotic coronary and peripheral arteries within a patent to enable discovery of novel targets that mediate development of localized atherosclerotic plaques	Dr.Arkasubhra Ghosh	Narayana Nethralaya Foundation Bangalore 560099Karnataka	2424000

296	EMR	An Investigation of codes over finite rings	Dr.Maheshanand Bhaintwal	Indian Institute of Technology Roorkee Roorkee 247667Uttarakhand	1860120
297	EMR	Stochastic differential equation models and their applications to agriculture	Prof.Prajneshu	Indian Agricultural Statistics Research Institute New Delhi 110012Delhi	3264655
298	EMR	Study of Electronic structure and magnetic properties in half metallic heusler alloys and their surfaces	Prof.Lakshmi Nambakkat	Mohan Lal Sukhadia University Udaipur 313001Rajasthan	2229100
299	EMR	Challenges in particle physics after higgs discovery	Dr.Subhendu Rakshit	Indian Institute of Technology Indore Indore 452017Madhya Pradesh	2042400
300	EMR	Order, Kinetics properties of liquid crystalline materials	Prof.Shri Singh	Banaras Hindu University Varanasi 221005Uttar Pradesh	4621600
301	EMR	Dielectric Relaxation and hydrogen Bonding interactions of Aqueous solutions	Prof.Kumbharkhane Ashok Champatrao	Swami Ramanand Teerth Marathwada University Nanded 431606Maharashtra	4430000
302	EMR	Understanding the role of citrate layase enzymes in physiology and peristence of mycobacterium tuberculosis	Dr.Ramandeep Singh	Translational Health Science and Technology Institute Gurgaon122016Haryana	4600400

303	EMR	P53 amyloid formation leading to its loss of tumor suppressor functions in cancer	Dr.Samir K.Maji	Indian Institute of Technology Mumbai 400076Maharashtra	2790000
304	EMR	Role of Viral Protease and host endogenous proteases in hepatitis E virus (HEV) Life cycle	Prof.S.K.Panda	All India Institute of Medical Sciences New Delhi 110029Delhi	5863800
305	EMR	TRAPI functional analysis using normal and tumor cells	Dr.Sreedhar Amere Subbarao	Centre for Cellular and Molecular Biology Hyderabad 500007Telangana	4106800
306	EMR	Copper catalysed novel bond forming strategies for potent therapeutic heterocyclic scaffolds	Dr.Anuj Sharma	Indian Institute of Technology Roorkee Roorkee 247667Uttarakhand	3390000
307	EMR	Development, Pharmacological Screening and computer aided drug design of some new bioactive 2,3-disubstituted 4(3H)-quinazolinone based compounds as potential anticonvulsants: Exploring possible role of GABA neurotransmitter modulation	Dr.Sushil Kumar Kashaw	Dr.HariSingh Gour Vishwavidyalaya, Dr.Harisingh Gour Central University Sagar470003Madhya Pradesh	3639491

308	EMR	Modulation of Activity of transcription and translation factors in lung cancer by novel chemical entities : A polypharmacology approach	Dr.Kamala Kunju Vasu	B.V.Patel Pharmaceutical Education Research and Development Centre Ahmedabad 380054Gujarat	3083200
309	EMR	Effect of maternal hypercholesterolemic diet on liver glycosaminoglycan metabolism of pre-and post-natal rats	Dr.Nandini C.D.	Central Food Technological Research Institute Mysore 570020Karnataka	3186203
310	EMR	A novel therapeutic approach to diabetic nephropathy targeting renal hypoxia through diet restriction and pharmacological interventions	Dr.Pawan Krishan	Punjabi University Patiala 147002Punjab	1670000
311	EMR	Chemical Reaction in high frequency, strong oscillating fields	Dr.BalanarayanN. P.	Indian Institute of Science Education & Research Mohali Mohali 140306Punjab	3156000
312	EMR	Surface-Functionalized Magnetic Oxide /Luminescent carbon dot Hybrid hollow spheres for multimodal imaging and anticancer drug delivery	Dr.Sasmita Mohapatra	Natioanl Institute of Technology Rourkela Rourkela 769008Odisha	3726000

313	EMR	Capture & Electrochemical Conversion Reactions of CO <sub>2</sub> And CO: Search for Efficient CO <sub>2</sub> Reduction Catalysts with coupled analysis of reaction products using Hyphenated techniques	Dr.KLN Phani	Central Electrochemical Research Institute Karaikudi 630006Tamilnadu	4516000
314	EMR	Development of a Novel Non invasive method for therapeutic drug monitoring in epilepsy	Prof.Bijaya Ghosh	NSHM College of Pharaceutical Pharmaceutical Kolkata 700053West Bengal	1040800
315	EMR	Development of Next Generation Sequencing based assay for mutation detection in duchenne and becker muscular dystrophy	Prof.Atchayaram Nalini	National Institute of Mental Health & Neuro Sciences Bangalore 560029Karnataka	3625800
316	EMR	Absolute quantification of plasma based biomarkers in patients with attempted suicide, in patients at high risk for attempting suicide and their first degree relatives using isotope labeled peptides	Dr.Amit Kumar Mandal	St.John's Research Institute Bangalore 560034Karnataka	4515610
317	EMR	Thiopurine Therapy in Inflammatory bowel Diseases : Optimising Existing Strategies	Dr.Ganesh Pai	Manipal Univerity Manipal 576104Karnataka	4992862
318	EMR	Non-Noble Metal Caltalysts for low temperature oxidation of diesel engine exhaust	Dr.Shubhangi Umbarkar	National Chemical Laboratory Pune 411008Maharashtra	3176000

319	EMR	Search for quasi two dimensional electron gas in new oxide hetero interfaces: Theory and Experiments	Dr.Jiji Thomas Joseph	National Physical Laboratory New Delhi 110012Delhi	2126000
320	EMR	Development of Large area inductively coupled plasma source and diagnostics of the generated plasma	Prof.Rajiv Onkar Dusane	Indian Institute of Technology Bombay Mumbai 400076Maharashtra	4561000
321	EMR	Nonlinear Oscillatory Phenomena in sensory systems	Prof.Janaki Balakrishnan	National Institute of Advanced studies Bangalore 560012Karnataka	2141800
322	EMR	Development of plasma modified Bio-membrane and low loaded electrode catalyst for proton Exchange membrane fuel cell by plasma process	Prof.Joyanti Chutia	Institute of Advanced Study in Science and TechnologyGarchuk 781035Assam	3631940
323	EMR	Development of Diagnostic Grid for prediction of infarction in patients with tuberculous meningitis (revised project as discussed in PRC, EMR EMR//2014/001174)	Prof.Padma Vasantha Srivastava	All India Institute of Medical Sciences New Delhi 110029Delhi	5999040
324	EMR	To Explore the interaction between IL-1 $\beta$ Receptor pathway,activation glutamate receptors and angiogenic signaling in glioblastoma	Dr.Nand Kumar D.N.	National Institute of Mental Health and Neuro Sciences Bangalore 560029Karnataka	3690000

325	EMR	Elucidating the molecular mechanisms of necroptosis in fluoride induced neurotoxicity: Therapeutic potential of Naringenin, through NFkB and NRF2 signaling pathways	Dr.Ekambaram Perumal	Bharathidasan University Coimbatore 641046Tamilnadu	3377625
326	EMR	Infectious nature of plasmodia modulating the innate response of host in liver stage infection deciding the fate of adaptive immunity	Dr.Sarat Kumar Dalai	Institute of Science, Nirma University Ahmedabad 382481Gujarat	5210000
327	EMR	Association between the loss of tumor suppressor genes and deregulation of Mad2 expression in raw aeca-nut induced cancer samples	Dr.Anupam Chatterjee	North Eastern Hill University Shillong 793022Meghalaya	3649025
328	EMR	Towards chemistry : Development of a chemoenzymatic route for the synthesis of chiral vicinal amino alcohols-application for the synthesis of Ethambutol, an Antituberculosis drug	Prof.Anju Chadha	Indian Institute of Technology Chennai Chennai 600036Tamilnadu	4022000
329	EMR	Textured PMN-PT based piezoceramics	Dr.Raghu Natarajan	Centre for Materials for Electronics Technology Thrissur 580011 Kerala	2613200
330	EMR	Measuring prompt particle decays in N=Z=28 Nuclei using silicon strip detectors	Dr.Buddhadev Mukherjee	Visva Bharati Santiniketan 731215West Bengal	4137690

331	EMR	Mid infrared (Mid-IR) sources using stimulated Brillouin scattering and soliton self-frequency shift	Dr.Ravi Pant	Indian Institute of Science Education and Research Thiruvananthapuram 695016Kerala	6370000
332	EMR	Molecular mechanisms of rice sirtuin activity under oxidative stress conditions	Dr.Sanghamitra Dey	Presidency University Kolkata 700073West Bengal	5470000
333	EMR	Metagenomic Approaches to explore polyketide synthase gene complex of chosen Marine Sponge (s)	Dr.Joseph Selvin	Pondicherry University Puducherry 605014Puducherry	5460500
334	EMR	Investigating the role of phosphorylation in modulating the cell division and cell wall synthesis in Mycobacterium tuberculosis	Dr.Vinay Kumar Nandicoori	National Institute of Immunology New Delhi 110067Delhi	4450781
335	EMR	Comparative analysis of acetylation and acetylation deficient mutant from of Ecotropic viral integration site 1 haematopoietic cells	Dr.Soumen Chakraborty	Institute of Life Science Bhubaneswar 751023Odisha	2590000
336	EMR	Disulfide -rich peptides as scaffold for the development of tau protein aggregation inhibitors in Alzheimer Disease	Dr.Sharad Gupta	Indian Institute of Technology Gandhinagar Ahmedabad 382424Gujarat	4734000



337	EMR	X-ray crystallographic studies on arsenic binding regulatory proteins from microbes with high arsenic resistance	Dr.Thiyagarajan Saravanamuthu	Institute of Bioinformatics and Applied Biotechnology Bangalore 560100 Karnataka	3356800
338	EMR	A putative reader ZMYND8 and its role in neuronal differentiation	Prof.Chandrima Das	Saha Institute of Nuclear Physics Kolkata 700064West Bengal	4422000
339	EMR	An Investigation in to the Adjuvant Capacity of Non-self carbohydrate -protein complexes: Searching the therapeutic stimulator against leishmania donovani infection	Dr.Chiranjib Pal	West Bengal State University Malikapur 700131West Bengal	4117600
340	EMR	An Insight into the regulation of mitochondrial inner membrane uncoupling protein 2 in manipulating host -conducive oxidant-derived macrophage defence mechanism	Dr.Pijush K.Das	Indian Institute of Chemical Biology Kolkata 700032West Bengal	3490000
341	EMR	Real-time detection and sizing of single protein molecule using a nanoplasmonic-whispering gallery mode hybrid microresonator	Dr.Venkata Ramanaiah Dantham	Indian Institute of Science Patna Patna 800013Bihar	5437440

342	EMR	Development of a stabilized fabry -perot wavelength calibrator for precision doppler spectroscopy	Dr.Ravinder Kumar Banyal	Indian Institute of Astrophysics Bangalore 560034Karnataka	5653057
343	EMR	Elucidating the role of p38 MAPK pathway in nutrient and dietary restriction	Dr.Arnab Mukhopadhyay	National Institute of Immunology New Delhi 110067 Delhi	4702705
344	EMR	Evolution of dispersal in laboratory populations of drosophila melanogaster	Dr.Sutirth Dey	Indian Institute of Science Education and Research Pune 411008Maharashtra	3440604
345	EMR	Understanding metapopulation dynamics of tigers in the terai arc landscape, India	Dr.Samrat Mondol	Wildlife Institute of India Dehradun 248007Uttarakhand	4637926
346	EMR	Molecular, genetic and neuronal analysis of early and late emergence chronotypes in drosophia melanogaster population	Prof.Vijay Kumar Sharma	Jawaharlal Nehru Centre for Advanced Scientific Research Bangalore 560064Karnataka	4993886
347	EMR	Steroidal control of vitellogenesis in the freshwater prawn macrobrachium rosenbergii: lipogenesis and carotenoid metabolism relating to ovarinan development and embryogenesis	Dr.Thanumalaya Perumal Subramoniam	Sathyabama University Chennai 600119 Tamilnadu	4166400

348	EMR	Characterization of regeneration permissive environmental created after spinal cord injury in zebrafish	Dr.Sukla Ghosh	University of Calcutta Kolkata 700073West Bengal	4446600
349	EMR	Characterization of the energy sensor AMPK and its role in starvation induced autophagy using dictyostelium discoideum as a model system	Dr.Shweta Saran	Jawaharlal Nehru University New Delhi 110067Delhi	4006500
350	EMR	Molecular characterization of development DNA markers linked to disease resistance/susceptibility in giant black tiger shrimp, penaeus monodon	Dr.Nripandranath Mandal	Bose Institute Kolkata Kolkata 700054West Bengal	4866800
351	EMR	Role of granulosa cells in the acquisition of meiotic competency of rat oocytes	Prof.Shail K.Chaube	Banaras Hindu University Varanasi 221005Uttar Pradesh	4321000
352	EMR	Mitochondrial morphology regulation of Epidermal growthsignaling	Dr.Richa Rikhy	Indian Institute of Science Education and Research Pune 411008Maharashtra	3582400
353	EMR	Structural studies on spatial positioning of myxococcus xanthus motility complexes	Dr.Gayathri Panaghat	Indian Institute of Science Education and Research Pune 411008Maharashtra	5026000
354	EMR	Study on the effect of TLR-3 and TLR-9 on breast cancer	Dr.Anupam Basu	University of Burdwan Burdwan 713104West Bengal	3690000

355	EMR	Novel Functional 3D grapheme and its inorganic hybrid nanostructures for electrochemical and energy applications	Dr.Kaliaperumal Selvaraj	National Chemical Laboratory Pune 411008Maharashtra	4702000
356	EMR	Field Training in Glaciology	Sh.G.C.Kandpal	Geological Survey of India Lucknow 226024Uttar Pradesh	5950000
357	EMR	Proly Isomerases as modifiers of protein aggregation and disease progression in a drosophila model of amyotrophic lateral sclerosis	Dr.Girish S.Ratnaparkhi	Indian Institute of Science Education and Research Pune 411008Maharashtra	4398000
358	EMR	Ethanol potentiated differential mitochondrial dynamics and its effect on calcium homeostasis in alcoholic heart muscle disease	Dr.Ramasamy Subbiah	Madurai Kamraj University Madurai 625020Tamilnadu	3813200
359	EMR	Post-transcriptional regulation of gene expression in plasmodium falciparum	Dr.Vasudevan Seshadri	National Centre for Cell Science Pune 411007Maharashtra	4126000
360	EMR	Cell Free Bioreactors from the shell proteins of bacterial microcompartments	Dr.Sharmistha Singha	Institute of Nano Science and Technology Mohali 160047Punjab	4713200
361	EMR	Studies on the activation of bone morphogenesis protein (BMP) signaling upon Infection with pathogenic mycobacteria	Prof.Balaji N.Kithiganahalli	Indian Institute of Science Bangalore 560012 Karnataka	4885400

362	EMR	Identification of Novel factors regulating epithelial to Mesenchymal transition to mesenchymal transition in Hepatocellular Carcinoma Metastasis	Dr.Krishnan Harinivas Harshan	Centre for Cellular and Molecular Biology Hyderabad 500007Telangana	4885474
363	EMR	Sugar Derived Cyclic $\alpha$ -peptides as Artificial ion channels and transporters	Dr.Dilip D.Dhavale	Pune University Pune 411007Maharashtra	2455000
364	EMR	Sugar Derived Cyclic $\alpha$ -peptides as Artificial ion channels and transporters	Dr.Pinaki Talukdar	Indian Institute of Science Education and Research Pune 411007Maharashtra	1435000
365	EMR	Effect of Micro and Macro environment on protein dynamics: A step towards in vivo folding	Dr.Harekrushna Sahoo	National Institute of Technology Rourkela Rourkela 769008Odisha	3726000
366	EMR	Chiral Counter-ion catalysis for the Development of Asymmetric Radical ion Reactions	Dr.Pradip Maity	National Chemical Laboratory Pune 411008Maharashtra	3026000
367	EMR	Investigations in value Distribution theory and applications	Prof.S.S.Bhoosnurmat h	Karnatak University Dharwad 580003Karnataka	3194000
368	EMR	Antibiotics induce oxidative DNA Damage and repair mechanisms in mammalian genome	Dr.Santi Mohan Mandal	Vidya Sagar University Midnapore 721102West Bengal	2310238

369	EMR	Study on neuroprotective effect of Egg.fruit ( <i>Pouteria campechiana</i> Linn) on pilocarpine mediated seizure in mice hippocampus: therapeutic potential for epilepsy	Dr.T.Sivasudha	Bharathidasan University Mandaiyur 620024Tamilnadu	570000
370	EMR	Advancing liquid state NMR methods and their applications in metabolomics	Dr.Bikash Baishya	Sanjay Gandhi Post Graduate Institute of Medical Sciences Lucknow 226014Uttar Pradesh	2826000
371	EMR	Theoretical Study on the quantum dynamics of ultracold atoms, molecules and atom - molecular coupled systems trapped in a double well potential	Dr.Bimalendu Deb	Indian Association for the Cultivation of Science Kolkata 700032West Bengal	1923120
372	EMR	Demonstration of phase sensitive amplification for advanced modulation formats	Dr.Deepa Venkitesh	Indian Institute of Technology Madras Chennai 600036Tamilnadu	5494000
373	EMR	Molecular Mechanistic study of interaction between FRG1 and IQGAP2 with focus on angiogenesis	Dr.Manjusha Dixit	National Institute of Science Education & Research Bhubaneswar Bhubaneswar 751005Odisha	5674874
374	EMR	Nuclear Physics	Prof.Javed Ahmed Sheikh	University of Kashmir Srinagar 190006Jammu & Kashmir	2024500

375	EMR	A New, Effective Catalytic System for selective Hydrogenation of carboxylic acid derivatives : An Environmentally benign approach	Dr.Balaraman Ekambaram	National Chemical Laboratory Pune 411008Maharashtra	3426000
376	EMR	Rechargeable CO <sub>2</sub> /O <sub>2</sub> electrode for air breathing energy storage devices	Dr.Muhammed Musthafa Ottakamthotiyil	Indian Institute of Science Education and Research Pune 411008Maharashtra	5086000
377	EMR	Functional Characterization of mycobacterial Dimethylarginine Dimethylamino hydroxylase (DDAH) and Determination of its role in Host-pathogen interaction	Prof.Avadhesh Surolia	Indian Institute of Science Bangalore 560012 Karnataka	5032400
378	EMR	Exploring the role of aging on chaperone-mediated protein folding in a yeast model of huntington's disease	Dr.Ipsita Roy	National Institute of pharmaceutical Education and Research Mohali 160062Punjab	5499600
379	EMR	Significance of fumarate metabolism in plasmodium : Examination of the growth phenotype of fh.mgo and aat knowkout parasites	Dr.Hemalatha Balaram	Jawaharlal Nehru Centre for Advanced Scientific Research Bangalore 560064Karnataka	5506800
380	EMR	Whole Exome Sequence analysis to identify novel causative genes for primary microcephaly in Indian Families	Prof.Arun Kumar	Indian Institute of Science Bangalore 560012Karnataka	5026000

381	EMR	Quantum probability and Dempster-Shafer approach to human cognition modeling	Prof. Sisir Roy	National Institute of Advanced Studies Bangalore 560012 Karnataka	3201000
382	EMR	Design and Synthesis of Natural, Un-natural analogues of calothrixins A, B and Evaluation of antimalarial and anticancer activity	Dr. Kumkum Srivastava	Central Drug Research Institute Lucknow 226031 Uttar Pradesh	755000
383	EMR	Design and Synthesis of Natural, Un-natural analogues of calothrixins A, B and Evaluation of antimalarial and anticancer activity	Dr. Sriraghavan Kumaraj	VIT University Vellore 632014 Tamil Nadu	3163000
384	EMR	Polymeric Nanobiohybrids for tissue engineering and drug delivery	Prof. Pralay Maiti	Indian Institute of Technology, Banaras Hindu University Varanasi 221005 Uttar Pradesh	2311000
385	EMR	Design and Synthesis of Enzyme Models: Mechanistic studies and medicinal applications	Prof. Palwinder Singh Randhawa	Guru Nanak Dev University Amritsar 143005 Punjab	4206000
386	EMR	Rhodium-catalyzed asymmetric C-H functionalization: development of novel methodologies for the stereoselective synthesis of oxepine and azepine derivatives	Dr. Chandra Volla	Indian Institute of Technology Bombay Mumbai 400076 Maharashtra	4490000



387	EMR	$\beta$ -Oxodithoesters in the synthesis of combinatorial of indole alkaloids and studies on their anticancer activities	Prof.Okram Mukherjee Singh	Manipur University Imphal 795003Manipur	2869600
388	EMR	Towards Chemical Synthesis of Linear poly(ADP-ribose) for bio-application	Dr.Ram Sagar	Shiv Nadar University Dadri 203207Uttar Pradesh	4351200
389	EMR	Hydrofunctionalisation of alkynes for the stereoselective synthesis of oxa and aza-cycles	Dr.Santosh J.Gharpure	Indian Institute of Technology Bombay Mumbai 400076Maharashtra	4926000
390	EMR	Design and Synthesis of Oligoglycerol and PEG based Nanocarriers for Biomedical Application	Prof.Sunil Kumar Sharma	University of Delhi New Delhi 110007Delhi	4726000
391	EMR	Graphite Oxide (GO) based carbon Materials: Green catalytic applications in synthetic Organic Reactions	Prof.Basudeb Basu	North Bengal University Darjeeling 734430West Bengal	6190000
392	EMR	Chiral Bis(amino) Cyhclopropenylidenes and Bis(amino) cyclopropenimines Catalyzed enantioselective Organocatalytic Transformations	Dr.Vijaya Anand Ramasamy	Indian Institute of Science Educationa and Research Mohali Mohali 140306Punjab	4923000

393	EMR	4-Aminoquinoline-phthalimide and 4-aminoquinoline-1,8-naphthalimide conjugates: Synthesis and anti-malarial evaluation	Dr.Vipan Kumar	Guru Nanak Dev University Amritsar 143005 Punjab	2576000
394	EMR	Engineering Fe(II) spin crossover switches: potential candidates in molecular electronics	Dr.Sunil Ganapati Naik	Central University of Rajasthan Jaipur 305801 Rajasthan	4548000
395	EMR	Synthesis, characterization and Reactivity aspects of metal (III)-Hydroxo Complexes: Biomimetic Model of Lipoxy-Like activity	Dr.Sukanta Mandal	Indian Institute of Technology Kharagpur Kharagpur 721302 West Bengal	3390000
396	EMR	Development Mn/re-based luminescent carbon monoxide releasing complexes (CORMs) for Medicinal applications	Dr.Sathiyendiran Malaichamy	University of Hyderabad Hyderabad 500046 Telangana	4401000
397	EMR	Dynamics of water Dissociation on Cu-Ni and Ag-Ni Alloy surfaces	Dr.Ashwani Kumar Tiwari	Indian Institute of Science Education and Research Nadia 741252 West Bengal	4576000
398	EMR	Interdigitated Metal-Semiconductor Nanowires as a platform for plasmon sensitized Light Harvesting Devices	Dr.Pramod Pillai	Indian Institute of Science Education and Research Pune Pune 411008 Maharashtra	4190000

399	EMR	Novel Conducting C layer embedded LMO hollow nano-spheres assembly for hybrid-electric vehicle applications	Prof.Shakkthivel Piraman	Algappa University Karaikudi 630003Tamilnadu	2326000
400	EMR	High Performance Thermoelectric Materials Via Band Engineering	Dr.D.Krishna Bhat	National Institute of Technology Mangalore 575025Karnataka	2676000
401	EMR	Fundamental Investigation on the Interaction of Block Copolymer Micelles with different surfactants for controlled synthesis of nanomaterials having diverse applications	Prof.Subhash Chandra Bhattacharya	Jadavpur University Kolkata 700032West Bengal	3231800
402	EMR	Versatile Coordination behavior of pincer NHC ligands with transition metals (Ni,Cu,Ru and Pd) and their homogenous catalysis for amidation reactions	Prof.Periasamy Viswanathamurthi	Periyar University Salem 636011Tamilnadu	2943600
403	EMR	Evaluation of lipopeptides isolated from marine bacteria as anti-infectives target bacterial signaling and biofilm formation in Group A streptococcus and pseudomonas aeruginosa	Dr.G.Seghal Kiran	Pondicherry University Puducherry 673310Puducherry	4714974

404	EMR	Influence of Srebp1 inhibition on post-ischemic regulation of survival and death-signaling proteins	Dr.Rajesh Ugale	The Rashtrasant Tukadoji Maharaj Nagpur University Nagpur 440001 Maharashtra	3520000
405	EMR	Investigation of diacylglycerol acyltransferase gene isoforms on the regulation of triglyceride metabolism in the progression of fatty liver diseases	Dr.Balasubramaniyan Vairappan	Jawaharlal Institute of Post Graduate Medical Education and Research Puducherry 605006 Puducherry	4668365
406	EMR	Understanding the role of sin3, A global transcription regulator in nongenotoxic stress mediated modulation of gene expression	Prof.Daman Saluja	Dr.B.R.Ambedkar Centre for Biomedical Research, University of Delhi Delhi 110007 Delhi	5772899
407	EMR	Role of Hypothetical protein HP0897 in DNA replication of slowly growing human pathogenic bacteria helicobacter pylori	Dr.Suman Kumar Dhar	Jawaharlal Nehru University New Delhi 110067 Delhi	5700400
408	EMR	Functional analysis of HSP90 chaperone machinery and creation of novel pre-clinical models to test the efficacy of HSP90 inhibitors	Dr.Rama Krishna Kancha	Centre for Plant Molecular Biology, Osmania University Hyderabad 500007 Telangana	4996124

409	EMR	Investigation on CedA as a primary protein responsible for coordination of bacterial chromosomal replication and cell division	Dr.Bishwajit Kundu	Indian Institute of Technology Delhi New Delhi 110016Delhi	4096800
410	EMR	Evaluation of antifertility activities of functional ingredients present in fruit of terminalia chebula in adult male albino rat: An approach through flow cytometric and genomic analysis of spermiological sensors	Prof.Debidas Ghosh	Vidyasagar Universtiy Medinipur 721102West Bengal	5126400
411	EMR	Role and Functional assciation of CART in the stress physiology of anurans	Dr.Shobha Yash Bhargava	Pune University Pune 411007Maharashtra	5413200
412	EMR	Development of synthetic transcription factors against pluripotency to target cancer stem cells	Prof.Siddhartha Roy	Bose Institute Kolkata 700054West Bengal	5665099
413	EMR	Enhanced Single-molecule spectroscopy with tuned dipole antennas of end-to-end dimers of gold nanorods	Dr.Saumyakanti Khatua	Indian Institute of Technology Gandhinagar Ahmedabad 382424Gujarat	4582000

414	EMR	Stereoisomers of New Dipicolylamine Complexes from multi-component One-Pot Reactions: Isolation and post synthetic Modification transmetallation and Bioinspired hydrogen production catalysis	Dr.Raja Angamuthu	Indian Instiute of Technology Kanpur Kanpur 208016Uttar Pradesh	6212030
415	EMR	Development of novel d-f heterometallic complexes as biomodal imaging probes for MRI and fluorecence imaging : synthesis, relaxivity, in vitro fluorecence imaging and cytotoxicity studies	Dr.Vedamanickam Alexander	Loyola College Chennai 600034Tamilnadu	4774800
416	EMR	New Class of Biodegradable polymer as theranostic agent for multiple tumors using a single target	Dr.Raja Shunmugam	Indian Institute of Science Education and Research Kolkata Kolkata 741246West Bengal	6398000
417	EMR	Weak Measurement and classical entanglement emerging frontiers in optical metrology	Prof.Nirmal K.Vishwanathan	University of Hyderabad Hyderabad 500046Telangana	5490000
418	EMR	Dual Frequency Two Dimensional Infrared (DF-ZDIR) Supectroscopy	Prof.C.R.Rao	University of Hyderabad Hyderabad 500046Telangana	5030000

419	EMR	Development Small Molecular Modulators of Signal Recognition Particle Function	Dr.Ishu Saraogi	Indian Institute of Science Education and Research Bhopal Bhopal 462065Madhya Pradesh	5466000
420	EMR	Multi-Component Pharmaceutical Cocrystals	Dr.Ashwini Nangai	University of Hyderabad Hyderabad 500046Telangana	6500000
421	EMR	Purification and characterization of anti-candida molecule from bacillus species isolated from vada Batter	Dr.Bipinraj Nirichan Kunchiraman	B V D U Rajiv Gandhi Institute of IT and Biotechnology,Bharti Vidyapeeth Pune 411043Maharashtra	3402683
422	EMR	Evaluation of the role of TIF1 <sup>γ</sup> in the regulation of self-renewal ability of oral squamous cell carcinoma stem cells EMR/2014/000413	Dr.Tessy Thomas Maliekal	Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram 695012Kerala	4759646
423	EMR	Laser Particle Acceleration	Dr.Ashok Kumar	Malviya National Institute of Technology Jaipur 302017Rajasthan	2967120
424	EMR	Role of Cocaine and Amphetamine -regulated transcript peptide (CART) in reward and reinforcement : downstream mechanisms, induction of neuronal plasticity and interaction with the dopamine system	Dr.Dadasaheb M.Kokare	Rashtrasant Tukadoji Maharaj Nagpur University Nagpur 440033Maharashtra	5973400

425	EMR	Studies on the role of phospholipase D-phosphatidyl inositol 3-kinase C (PLD-P13K-PKC) signaling axis in stimulating NADPH oxidase activity by the thromboxane A2 receptor agonist U46619 in pulmonary artery smooth muscle cells	Prof.Sajal Chakraborti	University of Kalyani Kalyani 741245 West Bengal	4769600
426	EMR	Immunocontraception for Animals: A novel strategy for regulating fertility of stray and pet animals by immunization with heterologous gonadotropins	Prof.Rajan Dighe	Indian Institute of Science Bangalore 560012 Karnataka	5406800
427	EMR	Role of Nup358 in the regulation of cytoplasmic mRNP granules	Dr.Jomon Joseph	National Centre for Cell Science Pune 411007 Maharashtra	4126000
428	EMR	Proliferative vitreoretinopathy: pathophysiology and pharmacotherapeutics	Dr.Manni Luthra Guptasarma	Post Graduate Institute of Medical Education and Research Chandigarh 160012 Chandigarh	5764584
429	EMR	Estimation of soil moisture in Agricultural Lands using Wireless sensor networks	Dr.Revathi Venkataraman	SRM University Kattankulathur 603203 Tamilnadu	4659000
430	EMR	Development of procedures for restoration of fertility in cancer affected male individuals, post chemotherapy	Dr.Satish Adiga Kumar	Manipal University Manipal 571604 Karnataka	3998172



431	EMR	Development of procedures for restoration of fertility in cancer affected male individuals, post chemotherapy	Dr.Subeer S.Majumdar	National Institute of Immunology New Delhi 110067Delhi	2110000
432	EMR	Water Soluble Glycosylated Amphiphilic porphyrins: Synthesis, photophysical, Electrochemical studies and bio-imaging applications	Dr.Iti Gupta	Indian Institute of Technology Gandhinagar Ahmedabad 382424Gujarat	4126000
433	EMR	Metal Complexes for cellular imaging targeting and photo-induced anticancer activity	Dr.Akhil Ranjan Chakravarty	Indian Institute of Science Bangalore 560012Karnataka	4926000
434	EMR	Graphene based ORR catalysts equipped waste water treatment microbial fuel cells for the enhanced bioelectricity generation and clean water and phosphate extraction	Prof.Georgepeter Gnanakumar	Madurai Kamraj University Madurai 625020Tamilnadu	3118000
435	EMR	Development of Novel Lithium-sulfur and lithium selenium battery configurations with long cycling life	Dr.Deepa Melepurah	Indian Institute of Technology Hyderabad Hyderabad 502205Telangana	4506800
436	EMR	Platinum metal-based light harvesting assemblies with polyheterocyclic ligands: designing of functional materials	Prof.Sujoy Baitalik	Jadavpur University Jadavpur 700032West Bengal	4690000

437	EMR	Application of (2+2+2) cycloaddition reaction in organic synthesis	Dr.Sambasivarao Kotha	Indian Institute of Technology Bombay Mumbai 400076Maharashtra	4586000
438	EMR	Studies of endothelial dysfunction and innate immunity in non-cirrhotic intra-hepatic hypertension (NCIPH)	Dr.Ashish Goel	Christian Medical College Vellore 632004Tamilnadu	6027309
439	EMR	Enhancement of immune memory by transient treatment with puromycin	Dr.Sharvan Sehrawat	Indian Institute of Science Education and Research Mohali 140306Punjab	5015890
440	EMR	Comprehending the role of mucosal-associated immunity during host pathogen following avibacterium paragallinarum infection in poultry (chicken and japanese quail) for development a futuristic mucosal vaccine	Dr.Sidhartha Deshmukh	Guru Angad Dev Veterinary & Animal Science University, Punjab Agricultural University Ludhiana 141004Punjab	3965200
441	EMR	Exploring Correlations between human gutmicro flora and dosha prakriti based on principles of Ayurveda	Prof.G.G.Gangadhara n	MS Ramaiah India Centre for Ayurveda and Integrative Medicine Bengalur 560054Karnataka	6048000
442	EMR	Modeling Immune response to salmonella during typhoid	Dr.Dipshikha Chakravorty	Indian Institute of Science Bangalore 560012Karnataka	949000

443	EMR	Exploring the Autonomic and Neuroendocrine Regulation of The Mirror Neuron System in Schizophrenia	Dr.Sathyaprabha Talakad	National Institute of Mental Health & Neuro Sciences Bangaluru 560029Karnataka	1979800
444	EMR	Modeling Immune response to salmonella during typhoid	Dr.Amol Marutrao Marathe	Birla Institute of Technology & Science Pilani 333031Rajasthan	3403500
445	EMR	Impact of modified microclimates on growth yield and pest-disease dynamics in ginger	Dr.Prasanta Neog	Assam Agricultural University Chariali, Sonitpur 784176Assam	3730000
446	EMR	Lens derived molecular factors of vascular remodeling: Deciphering their genetic and epigenetic modifications using human congenital persistent fetal vasculature (PFV) disease as a model	Dr.Rajkumar Sankaranarayanan	Iladevi Cataract and iol Research Centre Ahmedabad 380052Gujarat	4423330
447	EMR	Synthesis and characterization of carbon nanoparticle based photoinduced electron transfer molecular devices	Dr.Pradipta Purkayastha	Indian Institute of Science Education and Research Kolkata Kolkata 741252West Bengal	2040000
448	EMR	High performance polymer based mixed matrix membranes with improved permeability and permselectivity of gas separation	Dr.Smita Mohanty	Central Institute of Plastic Engineering & Technology Bhubaneswar 751024 Odisha	1730000

449	EMR	Study of emplacement and evolution of granitic rocks in transpressional ductile shear zone from parts of the western margin of delhi fold belt, Rajasthan	Dr.Sadhana M.Chatterjee	Jadavpur University Kolkata 700032West Bengal	2600000
450	EMR	Subsistence pattern, Vegetation Dynamics and Climate change during Harapan (Indus) and subsequent cultures in North-Western India: A palaeoethnobotanical Approach	Dr.Anil Kumar Pokharia	Birbal Sahni Institute of Palaeobotany Lucknow 226007Uttar Pradesh	4603000
451	EMR	Identification and characterisation of spatio-temporal regulators of MAP kinase transactivation by G-protein coupled receptors	Dr.Deepak Kumar Saini	Indian Institute of Science Bangalore 560012Karnataka	4706792
452	EMR	Investigation of the functional switching of the transeption factor Atf1 in Schizosaccharomyces pombe- from a mitotic entry promoter to a mitotic exit facilitator	Dr.Geetanjali Sundaram	University of Calcutta, Ballygunge Science College Campus Kolkata 700019West Bengal	5646641
453	EMR	Regulation of FtsZ assembly dynamics by accessory proteins and small molecule inhibitors	Prof.Dulal Panda	Indian Institute of Technology Mumbai 400076Maharashtra	5490000

454	EMR	Cross Talk Between Root Endophytic fungus piriformospora india and host plant: A mechanism of nutrient exchange	Dr.Atul Kumar Johri	Jawaharlal Nehru University New Delhi 110067Delhi	5586000
455	EMR	Identification of enhancers regulating expression in glial subsets in Drosophila	Dr.Anuradha Ratnaparkhi	Agarkar Research Institute Pune 411004Maharashtra	5095107
456	EMR	Characterization of malaria vector anopheles stephensi proteome and Transcriptome	Dr.Ashwani Kumar	National Institute of Malaria Research Goa 403001Goa	3570000
457	EMR	Quantitative Characterization of complex topologically prominent components of porous media derived from rocs of petrologic significance via mathematical morpology and fractal geometry	Dr.B.S.Daya Sagar	Indian Statistical Institute Bangalore 560059Karnataka	2480000
458	EMR	Theoretical investivation of carbohydrate water interactions	Dr.Sairam Swaroop Mallajosyula	Indian Institute of Technology Gandhinagar Ahmedabad 382424Gujarat	3671000
459	EMR	Triarylamine and carbazole-based hole transporting materials and their application in efficient organic solar cells	Dr.Siva Ayyanar	Madurai Kamraj University Madurai 625020Tamilnadu	4026000

460	EMR	Evaluation of antileukemic and immunogenicity properties of engineered Escherichia coli asparaginase -II for the treatment of acute lymphatic leukemia in preclinical model	Prof.Chitra Mandal	Indian Institute of Chemical Biology Kolkata 700032West Bengal	804000
461	EMR	Evaluation of antileukemic and immunogenicity properties of engineered Escherichia coli asparaginase -II for the treatment of acute lymphatic leukemia in preclinical model	Dr.Avinash Sonawane	KIIT University Bhubaneswar 751024Odisha	4664000
462	EMR	Entangled and other nonclassical states and their applications in the field of quantum computation and communication	Prof.Anirban Pathak	Jaypee Institute of Information Technology Noida 201307Uttar Pradesh	3950760
463	EMR	Pulsar Monitoring observation program with the upgraded ooty radio telescope	Prof.Bhal Chandra Joshi	National Centre for Radio Astrophysics, Tata Institute of Fundamental Research Pune 411007Maharashtra	2127600
464	EMR	Zinc Protoporphyrin and its Synthetic Variants as Carrier of Trimethylamine N-Oxide in Atherosclerosis	Dr.Sabyaschi Sarkar	Indian Institute of Engineering Science and Technology Shibpur Shibpur 711103West Bengal	5000000

465	EMR	Synthesis of Anticancer Natural product-Tubulysins and Synthetic Derivatives	Dr.Venkatesh Chelavam	Indian Institute of Technology Indore 452017Madhya Pradesh	4252000
466	EMR	Synthesis and characterization of (1) ultra long carbon nanotubes and resist free fabrication of carbon nanotube field effect transistor (CNTFET) for sensor application and (2) carbon nanotube carpet for thermoelectric application	Dr.Manish Pal Chowdhury	Indian Institute of Engineering Science and Technology Shibpur Shibpur 711103West Bengal	4205500
467	EMR	Understanding the mechanism of induction of innate immunity in plants by the Xanthomonas diffusible signal factor (DSF)	Dr.Subhadeep Chatterjee	Centre for DNA Fingerprinting & Diagnostics Hyderabad 500001Telangana	4106800
468	EMR	A Triggered Source of single photons and photon pairs	Dr.Saikat Ghosh	Indian Institute of Technology Kanpur Kanpur 208016Uttar Pradesh	15363040
469	EMR	Molecular Systematics of the Didymocarpus-Henckelia generic complex (Gesneriaceae) in India	Dr.Narayanan K.Nair	National Botanical Research Institute Lucknow 226001Uttar Pradesh	3064000
470	EMR	Drainage reorganization paleoclimate reconstruction and sediment sourcing in the (paleo)yamuna plains using a multi-proxy approach	Dr.Debajyoti Paul	Indian Institute of Technology Kanpur Kanpur 208016Uttar Pradesh	2929000

471	EMR	Proteomic Analysis of Drought Stress Tolerance in finger millet (Eleusine corcana L.)	Dr.Patan Shaikkshavalli Khan	Yogi Vemana University Kadapa 518003Andhra Pradesh	2686000
472	EMR	Elucidating scent volatiles emission and pollinators attraction in murraya paniculata flowers	Prof.Adinpunya Mitra	Indian Institute of Technology Kharagpur Kharagpur 721302West Bengal	4316000
473	EMR	Transcriptome-based discovery of pathway and genes related to resistance against downy mildew disease in isadgol (Plantago ovata forsk)	Dr.Ponnachamy Manivel	Directorate of Medicinal and Aromatic Plants reserch Ananad 387310Gujarat	3764000
474	EMR	Understanding the role of J Proteins of arabiodopsis thaliana in protein quality contral under abiotic stress conditions	Dr.Chandan Sahi	Indian Institute of Science Education Research Bhopal Bhopal 462066Madhya Pradesh	4536000
475	EMR	Biochemical characterization of RNA-like oligomers from lipid assisted nonenzymatic synthesis	Dr.Sudha Rajamani	Indian Institute of Science Education and Research Pune 411008Maharashtra	4328755
476	EMR	Mapping of protein -protein interaction of mitochondrial ribosomal small subunit proteins using Affinity Chromatography and mass spectrometry	Dr.Gopal Gopisetty	Cancer Institute (WIA)Chennai 600020Tamilnadu	4626800



477	EMR	Targeting Trail resitance : An approach for referential killing of advanced stage breast cancer cells	Dr.Ranjana Pal	Presidency University Kolkata 700073West Bengal	4692000
478	EMR	Can Diatom communities across spatial and environmental gradients of western ghats reflect water quality conditions of streams?	Dr.Karthick Balasubramanian	Agarkar Research Institute Pune 411004Maharashtra	3440000
479	EMR	Methanotrophic community structure and their potential for methane oxidation in tropical dry Deciduous forest soils	Dr.Suresh Kumar Dubey	Banaras Hindu University Varanasi 221005Uttar Pradesh	3444000
480	EMR	High Field Effects and Galvanomagnetic phenomena in quantum confined semiconductor structures at low lattice temperatures	Dr.Chandan Kumar Sarkar	Jadavpur University Kolkata 700098West Bengal	1903800
481	EMR	Mechanistics Investigation of reactivities of Heme-peptide complexes relevant to Alzheimer's disease &Type 2 Diabetes	Dr.Somdatta Ghosh Dey	Indian Association for the Cultivation of Science Kolkata 700032West Bengal	14904000
482	EMR	Land use/cover classification of remote sensing image using granular computing methodologies	Prof.Saroj Kumar Meher	Indian Statistical Institute Bangalore 560059Karnataka	1887000

483	EMR	Encapsulation and Stabilization of metal or metal-complexes in Nanoscale on metal-organic frameworks (MOFs) for gas storage, Magnetism and Heterogeneous Catalysis	Dr.Tapas Kumar Maji	Jawaharlal Nehru Centre for Advanced Scientific Research Bangalore 560064Karnataka	5884800
484	EMR	Identification and Validation of structural hotspots in signaling networks and biophysical techniques	Dr.Devrani Mitra	Presidency University Kolkata 700073West Bengal	2827000
485	EMR	Mutation Landscape of periampullary Carcinoma	Dr.Niraj Kumari	Sanjay Gandhi Post Graduate Institute of Medical Sciences Lucknow 226014Uttar Pradesh	6068000
486	EMR	Elucidation of role of DNA methylation in emergence of insulin resistance	Prof.Kulbhushan Tikoo	National Institute of pharmaceutical Education and Research Mohali 160062Punjab	5606000
487	EMR	Targeting HSP-90 as cancer therapy : Design and Synthesis of mahanine derived second generation lead molecules	Dr.Biswadip Banerji	Indian Institute of Chemical Biology Kolkata 700032West Bengal	5484800
488	EMR	Exploring proliferative and differentiation potential of Ayurvedic Rasayanas using human umbilical cord derived mesenchymal stem cells (MSCs)	Prof.Kalpana Joshi	Sinhgad College of Engineering, Sinhgad Institute Pune 411041Maharashtra	1397000

489	EMR	Petrogenesis and rare Earth Element potential of kamthai and amba dongar carbonatities	Prof.Biswajit Mishra	Indian Institute of Technology Kharagpur 721302West Bengal	16020000
490	EMR	Investigation of physical and chemical characteristics of the tropical tropopause layer (TTL) in climate change perspective	Dr.Sanjay Kumar Mehta	SRM University Kancheepuram 603203Tamilnadu	2103200
491	EMR	Design and Development of Heterodimetallic complexes of ruthenium, Iridium and palladium and their chemical and biological aspects	Dr.Srikant Patra	Indian Institute of Technology Bhubneswar Bhubaneswar 751013Odisha	4216900
492	EMR	Metal Complexes of New chiral schiff bases: Design Elucidation, Reactivity and synthetic applications	Dr.Pranjit Barman	National Institute of Technology Silchar Silchar 788010Assam	3504600
493	EMR	Catalytic reactions involving ligand assisted chiral and achiral Transformations: A mechanistic and synthetic study	Prof.Ashoka Gnanadoss Samuelson	Indian Institute of Science Bangalore 560012Karnataka	4730000
494	EMR	Impact of surface and subsurface variability of southwest tropical Indian Ocean in the variability of the Indian Ocean	Dr.Shailendra Raj K.Banerjee	University of Allahabad Allahabad 211002Uttar Pradesh	2273200

495	EMR	Characterization and modeling of Ka-band Earth Space paths for prediction of total attenuation including fade Dynamics	Dr.K.CH.Sri Kavya	K L University Vaddeswaram 522502Andhra Pradesh	5360000
496	EMR	Stable and Radiogenic isotope geochemical, Geochronological and fluid inclusion studies of granite-gneiss hosted gold deposits of the eastern dharwar craton at chigarguntha (South KGF) and Jonnagiri, Andhra Pradesh	Prof.Sushanta Sarangi	Indian School of Mines Dhanbad 826004Jharkhand	5082000
497	EMR	Mass and Energy Balance of phuche and khardung glaciers ladakh range	Dr.Renoj J.Thayyen	National Institute of Hydrology Roorkee 247667Uttarakhand	6514000
498	EMR	Transcriptional Regulation of Formin binding protein 17 (FN{17} in Breast Cancer	Dr.Harish Chander	Central University of PunjabBathinda 151001Punjab	3310000
499	EMR	Thrombus Dest Abilization by Modulation of platelet bioenergetic screen	Prof.Debabrata Malviya	Banaras Hindu University Varanasi 221005Uttar Pradesh	4496352
500	EMR	Hybrid Reduced Graphene oxide supported bimetallic porous Nanostructures syntheses and its applications	Dr.Selvaraju T.	Karunya University Coimbatore 641114Tamilnadu	3259700

501	EMR	Preparation of Hap-TiO <sub>2</sub> Nanotubes nanocomposite by Electrochemical means towards Co <sub>2</sub> sensing applications	Dr.P.Wilson	Madras Christian College, Madras University Chennai 600005Tamilnadu	2789600
502	EMR	Design and Sensitivity Enhanced and Fast Data Acquisition NMR Methodologies and their Applications	Prof.Suryaprakash Nagarajao	Indian Institute of Science Bangalore 560012Karnataka	4163200
503	EMR	Designing supported metal nanocatalysts for application in C-C coupling reactions	Dr.Md.Harunar Rashid	Rajiv Gandhi University Itanagar 791112Arunachal Pradesh	2068900
504	EMR	Studies to Estimate and understand Gas phase entropy of chemical compounds using topological and information theoretical Measures	Prof.Debnath Pal	Indian Institute of Science Bangalore 560012Karnataka	2730200
505	EMR	Photophysical insights on fullerene porphyrzine Quantum dot interaction in solution at Ground and Excited state	Dr.Sumanta Bhattacharya	Burdwan University Burdwan 713104West Bengal	3064100
506	EMR	Exporation of aqueous metal ammonium carbonate complex solution as unique for the synthesis of Nanostructured materials	Dr.Asit Baran Panda	Central Salt and Marine Chemical Research Institute Bhavnagar 364002Gujarat	2430000

507	EMR	Regulation of mitochondrial function by a novel yeast clade specific DExH/D box helicase, YDR332w (IRC3), in <i>Saccharomyces cerevisiae</i>	Dr.Kaustuv Datta	University of Delhi New Delhi 110007Delhi	4892066
508	EMR	Macro and Micro-Phytodiversity and Behavioral pattern of pollen deposition in and around endangered wetlands of Assam: aq Palaeoecological and Conservational Perspective	Dr.Samir Kumar Bera	Birbal Sahni Institute of Palaeobotany Lucknow 226007Uttar Pradesh	2656550
509	EMR	Development of thermal spray coatings to control wear during High -Temperature Application-Phase II	Dr.Manpreet Kaur	Baba Banda Singh Bahadur Engineering College Fatehgarh Sahib 140407Punjab	3184500
510	EMR	Metallosilicon Hybrid System for Electronic Applicatons	Dr.Moumita Majumdar	Idian Institute of Science Education and Research Pune 411008Maharashtra	6589000
511	EMR	Self Assembled Molecular Vessels for performing chemical reactions in the confied space	Dr.Partha Sarathi Mukherjee	Indian Institute of Science Bangalore 560012Karnataka	5958400
512	EMR	Theoretical and Computational investigation of statistical protperties of chemical reaction networks to infer the topology of network motif	Dr.Debashish Barik	University of Hyderabad Hyderabad 500046Telangana	5034400

513	EMR	Conformational Dynamics, Sybstrate specificity and catalytic mechanism of Lipoxygenases	Dr.Sabyashachi Mishra	Indian Institute of Technology Kharagpur Kharagpur 721302West Bengal	5500000
514	EMR	Regrograde regulation of methanol metabolism in the methylotrophic yeast, pichia pastoris	Prof.Pundi Narasimhan Rangarajan	Indian Institute of Science Bangalore 560012Karnataka	5300800
515	EMR	DNA-methylome profiling in ovarian granulosa cells of women with polycystic ovary syndrome (PCOS)	Dr.Srabani Mukherjee	National Institute for Research in Reproductive Health Mumbai 400012Maharashtra	5416800
516	EMR	Evaluation the sensor kinase MtrB of Mycobacterium tuberculosis as a regulator of bacterial physiological responses, and as a potential target for therapy	Prof.Joyoti Basu	Bose Institute Kolkata 700009West Bengal	6011200
517	EMR	Restoring Cell death in chemoresistant oral squamous cell carcinomas (OSCC)	Dr.Rupes Dash	Institute of Life Science Bhubaneswar 751013Odisha	4604000
518	EMR	Role of synaptogenic adhesion molecules (SAMs) in insulin secretion : Effect of Diabetes and Hypoglycemia	Dr.Amee Krishnakumar Nair	Institue of Science, Nirma University Ahmedabad 382481Gujarat	2940000
519	EMR	Implication of bacterial derived human defensin in burn injury and wound healing	Dr.Nrisingha Dey	Institute of Life Science Bhubaneswar 751023Odisha	4430907

520	EMR	Experimental Investigation and CFD Modeling of slurry pipeline for flow of multipararticulate slurry at higher concentrations	Dr.Satish Kumar	Thapar Institute of Engineering & Technology Patiala 147004Punjab	3709600
521	EMR	Solitons and modulational instability in Nonlinear optical systems	Prof.K.Porsezian	Pondicherry University Puducherry 673310Puducherry	5252200
522	EMR	Development of Go Green nanopiezoceramics for knock sensors instead of toxic lead based piezoceramics	Dr.Sarah Pasala	Vardhaman College of Engineering Shamshabad 501218Andhra Pradesh	3532900
523	EMR	Investigation of growth, Crystal Structure and properties of some important organic materials	Prof.Rajni Kant	Jammu University Jammu 180006Jammu & Kashmir	2314035
524	EMR	Exploring transcriptional regulators involved in prickle formations in solanum khasianum	Dr.Pratibha Misra	National Botanical Research Institute Lucknow 226001Uttar Pradesh	3156200
525	EMR	Role of putative domins of GIGANTEA and their functions in Arabiodopsis thaliana	Dr.Kishore Chandrasekhar panigrahi	National Institute of Science Education and Research Bhubaneswar 751005Odisha	4205200
526	EMR	Assessment of floral biodiversity and resource utilization pattern with special reference to climate change in the high altitude wetlands of Arunachal Pradesh of Eastern Himalaya	Dr.Khilendra Singh Kanwal	791113Arunachal Pradesh	2675190



527	EMR	Development of simple with rapid protocol for identification of lichens obtained from western ghats using image processing techniques in cloud computing	Dr.Ponnusamy Ponmurugan	KSR College of Technology Namakkal 637215Tamilnadu	2971000
528	EMR	Frication stair welding of aluminum and steel sheet metals for automobiles components	Prof.Surjya K.Pal	Indian Institute of Technology Kharagpur Kharagpur 721302West Bengal	4404200
529	EMR	Experiments on bypass transition in an axisymmetric boundary layer	Dr.Alakesh Chandra Mandal	Indian Institute of Technology Kanpur Kanpur 208016Uttar Pradesh	4393200
530	EMR	Drilling induced damage assessment of CFRP using acoustic emission	Dr.L.Vijayraghavan	Indian Institute of Technology Madras Chennai 600036Tamilnadu	4365000
531	EMR	Three Application areas of a novel hysteresis model	Dr.Anindya Chatterjee	Indian Institute of Technology Kanpur Kanpur 208016Uttar Pradesh	2010000
532	EMR	Ultrasonic vibration assisted turning of difficult to cut materials: Design and development of a tool holding system & parametric analysis of the process	Prof.Susanta Kumar Sahoo	National Institute of Technology Rourkela Rourkela 769008Odisha	3850000

533	EMR	Low Temperature phonon Dynamic in advanced nanomaterials: A Tool for understand their Crystal structure	Dr.Anushree Roy	Indian Institute of Technology Kharagpur Kharagpur 721302 West Bengal	3490500
534	EMR	Exploring the higgs sector of insert doublet model in the presence of scalar triplets	Dr.Poulose Poulose	Indian Institute of Technology Guwahati Guwahati 781039 Assam	2508000
535	EMR	High refractive index transparent thermosets/thermoplastics for electronics/LED potting application	Dr.Ramakishan Rao	Indian Institute of Chemical Technology Hyderabad 500007 Telangana	3653400
536	EMR	Formalyated Aza BODIPY and Their use in the synthesis of Aza BODIPY chromophore Conjugates	Prof.Ravikanth Mangalamapalli	Indian Institute of Technology Mumbai 400076 Maharashtra	5165600
537	EMR	Structural delineation of smad mediated regulation of miRNA biogenesis pathway using Smad3 and miRNA-21 model system (s)	Dr.Jeetender Chugh	Indian Institute of Science Education and Research Pune Pune 411008 Maharashtra	5935600
538	EMR	Designing of label free multiplexed electrochemical immunoassay for detection of pathogens	Dr.V.S.Vasanth	Madurai Kamraj University Madurai 625020 Tamilnadu	3935800
539	EMR	Building block approach to harvest dense extended network (Cr <sup>3</sup> , Cu <sup>2+</sup> , Ni <sup>2+</sup> and/or Gd <sup>3+</sup> ) for efficient adiabatic magnetic cooling	Dr.Maheswaran Shanmugam	Indian Institute of Technology Mumbai 400076 Maharashtra	3955600

540	EMR	Designing and synthesis of metal based aggregation induced emission (AIE) luminogens and their properties	Prof.Daya Shankar Pandey	Banaras Hindu University Varanasi 221005Uttar Pradesh	7310600
541	EMR	Design Fabrication of whispering gallery mode (WGM) resonators in planar waveguides for detection of Bio-Molecules using terahertz radiation	Dr.Niraj R.Joshi	Sahyadri College of Engineering and Management Mangalore 575007Karnataka	5589050
542	EMR	Stimuli responsive smart fluorescent materials for rewritable and pressure/temperature sensing applications	Dr.Savarimuthu Philip Anthony	SASTRA University Thanjavur 613401Tamilnadu	3022800
543	EMR	Influence of Nrf2-Are Signaling pathways on the genetic and Epigenetic modifications in the Germ Cell of Diabetic Rat: Role of Zinc and Selenium	Dr.Gopabandhu Jena	National Institute of pharmaceutical Education and Research Sas Nagar 160062Punjab	2758000
544	EMR	Understanding the basic of interaction between proapoptotic serine protease HtrA2/Omi and cell death regulatory protein GRIM-19	Dr.Kakoli Bose	Tata Memorial Centre Mumbai 400012Maharashtra	4268800

545	EMR	Biomimetic diiron (III) and bioinspired dinickel (II) complexes as functional models for soluble methane monooxygenase (sMMO)	Prof.Mallyan Palaniandavar	Bharathidasan University Tiruchirappalli 620024Tamilnadu	5833410
546	EMR	Triarylborane based phosphorescent materials synthesis characterisation optical features and applications	Dr.P.Thilagar	Indian Institute of Science Bangalore 560012Karnataka	11093280
547	EMR	New methodologies for the synthesis of sigma and B-agostic complexes	Dr.Sundargopal Ghosh	Indian Institute of Technology Madras Chennai 600036Tamilnadu	8069600
548	EMR	Pathological consequences of epigenetic deragulation on the breast cancer transcriptome	Dr.Sanjeev Shukla	Indian Institute of Science Education and Research Bhopal Bhopal 462066Madhya Pradesh	5026000
549	EMR	Capsid structural dynamics during disassembly	Dr.Manidipa Banerjee	Indian Institute of Technology Delhi New Delhi 110016Delhi	4602800
550	EMR	Exotic hadrons and study of their characteristic decay properties	Prof.Vinodkumar Pothodi Chackara	Sardar Patel University Vallabh Vidyanagar 388120Gujarat	1939500

551	EMR	Molecular level understanding about the role of lipids interfacial water ions and cholesterol in the allosteric modulation and enhanced activity of proteins responsible for the blood clotting by a surface selective heterodyne detected vibrational sum prequency generation (HD-VSFG) study	Dr.Prasant Chandra Singh	Indian Association for the Cultivation of Science Jadavpur Kolkata 700032West Bengal	9522100
552	EMR	Optimal design and control of small community new ideas for off grid communitis	Dr.Naran Pindoriya	Indian Institute of Technology Gandhinagar Ahmedabad 382355Gujarat	1854500
553	EMR	Study on epigenetic modulation of nuclear factor (erythroid derived 2) like 2 and kelch like ECH associated protein 1 in systemic lupus erythematosus	Prof.Archana Bhatnagar	Panjab University Chandigarh 160014Chandigarh	4686000
554	EMR	Mechanistic study of effect of spergulin a extracted from glinus oppositifolius on macrophages to raise anti leishmanial host defense	Dr.Krishna Das Saha	Indian Institute of Chemical Biology Kolkata 700032West Bengal	940000

555	EMR	Selective oxidation of benzene to phnol with molecular oxygen over Nanostructured catalysts	Dr.Rajaram Bal	Indian Institute of Petroleum Dehradun 248005Uttarakhand	2509000
556	EMR	Endogenous Toll like receptor ligands in pathogenesis of adult juvenile spondyloarthropathy	Prof.Amita Aggarwal	Sanjay Gandhi Post Graduate Institute of Medical Sciences Lucknow 226014Uttar Pradesh	4005000
557	EMR	Do Ulterine Alter the Endometrial Receptivity	Dr.Rahebdraorasad Rajalingam Katkam	National Institute for Research in Reproductive Health Mumbai 400012Maharashtra	3936000
558	EMR	Designing of Mn-based electrocatalysts for CO2 vs proton reduction	Dr.Biswarup Pathak	Indian Institute of Technology Indore Indore 753331Madhya Pradesh	4400000
559	EMR	Study of dynamics induced by very small amounts of water molecules through deuterium MAS solid state state NMR and Molecular dynamic simulations	Dr.Jayanthi Sundaresan	Indian Institue of Space Science and Technology Thiruvananthapuram 695022 Kerala	2483900
560	EMR	Study of dynamics induced by very small amounts of water molecules through deuterium MAS solid state NMR and Molecular dynamic simulations	Dr.Vinod C.Prabhakaran	National Chemical Laboratory Pune 411008 Maharashtra	1834300

561	EMR	To study the effect of major immunodominant antigens of mycobacteria on calcimycin induced autophagy in infected macrophages (Old file no.EMR/2014/001071)	Dr.Rohan Dhiman	National Institute of Technology Rourkela Rourkela 769008 Odisha	4496000
562	EMR	Do Transmembrane protein kinase PERK IRE1 and activation transcription factor 4 and 6 (ATF4 & 6) are involved in neuronal death	Dr.Sarika Singh	Central Drug Research Institute Lucknow 226031 Uttar Pradesh	4076000
563	EMR	Differentiation of mesenchymal stem cells (MSCs) into chondrocytes by sustained delivery of miRNAs using chitosan hydrogel	Dr.Vrisha Madhuri	Christian Medical College Vellore 632004 Tamilnadu	4767300
564	EMR	Differentiation of mesenchymal stem cells (MSCs) into chondrocytes by sustained delivery of miRNAs using chitosan hydrogel	Dr.Prabha Damodaran Nair	Sree Chitra Tirunal Institute for Medical Sciences and Technology Thiruvananthapuram 695011 Kerala	2929900
565	EMR	Designing and structure function characterization of antithrombin specific non heparin coagulation modulators with ability to inhibit thrombosis in vivo	Prof.Mohamad Aman Jairajpuri	Jamia Millia Islamia New Delhi 110025 Delhi	4620000
566	EMR	Investigation of Emerging Non-Volatile Memory Technology for Storage and Computing Applications	Dr.Manan Suri	Indian Institute of Technology Delhi New Delhi 110016 Delhi	5406800

567	EMR	Micro-structure and rheology of capillary force induced gelation in hard sphere suspensions	Dr.Ashish V.Orpe	National Chemical Laboratory Pune 411008 Maharashtra	4326000
568	EMR	Development of scale -up and Numbering -up strategies for singal phase and multimphase reactions in microreactors	Dr.Amol A.Kulkarni	National Chemical Laboratory Pune 411008 Maharashtra	3778400
569	EMR	Bio-mimetic Double network Hydrogels for Tissue Engineering Applications	Dr.Manohar V.Badiger	National Chemical Laboratory Pune 411008 Maharashtra	4555000
570	EMR	A Novel Multi-Helical Microfluidic System for Effective and Integrated Extraction - separation of metal Ions	Dr.Sambasiva Rao Ganneboyina	Institute of Minerals and Materials Technology Bhubaneswar 751013 Odisha	4694200
571	EMR	Hierarchically ordered Flexible polymerbased Ferroelectric Nanocompoistes and Devices	Dr.Kadhiravan Shanmuganathan	National Chemical Laboratory Pune 411008 Maharashtra	4829000
572	EMR	Nano and Micro Structured Plasmonic biochips for enhanced sensitivity of surface plasmon Resonance imaging	Dr.Anuj Dhawan	Indian Institute of Technology Delhi New Delhi 110016 Delhi	5250800
573	EMR	Low Cost Disposable Smart Chip Technology For bio sensors in Diabetes Management	Dr.Navakanta Bhat	Indian Institute of Science Bangalore 560012 Karnataka	6500000



574	EMR	Optimal Power Architecture for next generation datacenters	Dr.Santanu Mishra	Indian Institute of Technology Kanpur 208016 Uttar Pradesh	5289000
575	EMR	Control and Coordination of microgrid system with multiple renewable energy resources and storage system	Dr.Mahesh Kumar	Indian Institute of Technology Madras Chennai 600036 Tamilnadu	4882000
576	EMR	Design and Development of Fault Tolerant modular Multi - Level Power Electronic Converters for Grid Connected Applications	Dr.Anandarup Das	Indian Institute of Technology Delhi New Delhi 110016 Delhi	3947000
577	EMR	Development of a Comprehensive Wide -Area based back -up protection scheme for power transmission Network	Dr.S.R.Samantaray	Indian Institute of Technology Bhubaneswar Samantapuri 751013 Odisha	5032800
578	EMR	Recognition of Antinuclear Antibodies by Automated Hep-2 Cell IIF Image Analysis for Diagnosis of Connective Tissue Disease	Dr.Pradipta Maji	Indian Statistical Institute Kolkata 700108 West Bengal	2116320
579	EMR	Banes and Boons of protection Issues of Microgrid /Distributed Generators Interfaced Distribution System	Dr.Bhaveshkumar R.Bhalja	Indian Institute of Technology Roorkee 247667 Uttarakhand	2417880
580	EMR	Characterization of lightweight concrete using Ash Cenospheres	Dr.A.N.Nayak	VSS University of Technology Sambalpur 768018 Odisha	1325000

581	EMR	Measurement of shear wave velocity at deep soil sites and sites response studies	Dr.P.Anbazhangan	Indian Institute of Science Bangalore 560012 Karnataka	4316800
582	EMR	Embedded disturbance detection and classification for the distributed generation source connected to grid	Dr.Soumya Ranjan Mohanty	Motilal Nehru National Institute of Technology Allahabad 211002 Uttar Pradesh	3693000
583	EMR	Dynamic behavior of anchor plates in soft clay with Geosynthetic Reinforcement	Dr.Subhadeep Banerjee	Indian Institute of Technology Madras Chennai 600036 Tamilnadu	3391800
584	EMR	Analysis of Turbulent flow in surface aeration tanks aeration tanks by Computational fluid dynamics (CFD)	Dr.Ajay Kumar Patel	Natioanl Institute of Technology Warangal 506004 Telangana	3363200
585	EMR	Simultaneous bus route network design and frequency setting in small and medium sized cities using evolutionary algorithms	Dr.K.Ramchandra Rao	Indian Institute of Technology Delhi Delhi 110016 Delhi	1668500
586	EMR	Design and Development of a Low Cost Portable Gait Motion system	Dr.Viswanath Talasila	M.S.Ramaiah Institute of Technology Bangalore 560054 Karnataka	5499800
587	EMR	Medical Microwave radiometry for nonivasive tissue thermometry	Dr.(Mrs.)Kavitha Arunachalam	Indian Institute of Technology Madras Chennai 600036 Tamilnadu	5099100

588	EMR	Double perovskite based Oxide Materials for thermoelectric applications	Dr.Tanmoy Maiti	Indian Institute of Technology Kanpur Kanpur 208016 Uttar Pradesh	6345791
589	EMR	Multi -method approach to evaluate dissolution of engineered nanoparticles in a range of simulated environment for nanosafety	Dr.Superb K.Mishra	Indian Institute of Technology Ahmedabad 382424 Gujarat	5131700
590	EMR	Seizure detection ,prediction and evaluation : An intelligent model	Dr.Tapan Kumar Gandhi	Indian Institute of Technology Delhi New Delhi 110016 Delhi	5054600
591	EMR	Experiment Heat Sink Coated with vertically aligned CNT and Metal Nanowires	Dr.S.Suresh	National Institute of Technology Tiruchirappalli 620015 Tamilnadu	4363200
592	EMR	Microstructural evolution strengthening and Fracture in microwires	Dr.Atul H.Chokshi	Indian Institute of Science Bangalore 560012 Karnataka	5528200
593	EMR	Metallic Tumor Marker Clip for breast cancer : Design Developmetn nad Clinical Implications	Prof.Naresh Bhatnagar	Indian Institute of Technology Delhi New Delhi 110016 Delhi	3913600
594	EMR	Metallic Tumor Marker Clip for breast cancer : Design Developmetn nad Clinical Implications	Prof.Naresh Bhatnagar	All Indian Institute of Medical Sciences New Delhi 110029 Delhi	2370000
595	EMR	Experimental Study on Kalina Cycle system	Dr.T.Srinivas	VIT University Vellore 632014 Tamilnadu	3400000

596	EMR	Energy Absorption characteristics of prestressed concrete elements under drop weight and Ballistic impact	Mohd Ashraf Iqbal	Indian Institute of Technology Roorkee Roorkee 247667 Uttarakhand	2690000
597	EMR	Investigation of Environment flow requirement considering water quality constraints	Dr.Dhanya C.T.	Indian Institute of Technology Delhi New Delhi 110016 Delhi	1654000
598	EMR	Investigation on Quantification and prevention of High Residual Stresses and Hydrogen Assisted cracking in creep strength Enhanced Ferritic	Dr.Manas Mohan Mahapatra	Indian Institute of Technology Roorkee Roorkee 247667 Uttarakhand	3511000
599	EMR	PVDF based lightweight electromagnetic interference (EMI) shielding materials containing soft ferrites decorated carbon nanotubes	Dr.Suryasarathi Bose	Indian Institute of Science Bangalore 560012 Karnataka	5853700
600	EMR	Use of nanofillers in hybrid composites for advanced barrier layers ,packing and medical applications	Dr.Kaushik Pal	Indian Institute of Technology Roorkee Roorkee 247667 Uttarakhand	6431200
601	EMR	Preparation and processing of functionally graded multilayered graphene/Thermoplastic Nanocomposites via ultrasonic assisted Roll Bonding process	Dr.Jinu Paul	Indian Institute of Technology Kharagpur Kharagpur 721302 West Bengal	1500000

602	EMR	Joint Target Detection and Localization Algorithms for MIMO radar systems	Dr.Aditya K.Jagannatham	Indian Institute of Technology Kanpur 208016 Uttar Pradesh	3191000
603	EMR	Experimental heat sink coated with vertically aligned CNT and metal nonwires	Dr.S.Suresh	National Institute of Technology Tiruchirappalli 620015 Tamilnadu	4512200
604	EMR	Study on Effect of Imperfection based on Manufacturing Tolerances in Cold Formed Structural Steel Memembers	Dr.M.K.Madhavan	Indian Institute of Technology Hyderabad 502205 Telangana	6258600
605	EMR	Air Pollution Induced Immune cell dysfunction : Implication in viral infection	Dr.Himanshu Kumar	Indian Institute of Science Education and Research Bhopal Bhopal 462066 Madhya Pradesh	3073200
606	EMR	Air Pollution Induced Immune cell dysfunction : Implication in viral infection	Dr.Gangamma S.	National Institute of Technology Mangalore575025 Karnataka	2317000
607	EMR	Evaluation of Moisture Damage potential of Asphalt Mixes using Free Energy	Dr.Dharamveer Singh	Indian Institute of Technology Bombay Mumbai 400076 Maharashtra	4278700
608	EMR	Intelligent Crowd Flow Analysis and Traffic Monitoring	Dr.Venkatesh Babu Radhakrishnan	Indian Institute of Science Bangalore 560012 Karnataka	3674000
609	EMR	Centrifunge model studies to evaluate the performance of geosynthetic soil walls subjected to rainfall	Dr.B.V.S.Viswanadham	Indian Institute of Technology Bombay Mumbai 400076 Maharashtra	5312400

610	EMR	Intelligent Tutorins system for geometry	Dr.Amey Karkare	Indian Institute of Technology Kanpur 208016 Uttar Pradesh	1405200
611	EMR	3D Reconstruction using Depth cameras	Dr.Venu Madhav Govindu	Indian Institute of Science Bangalore 560012 Karnataka	3015700
612	EMR	Development of in-house/indigenous composite wire based feed stock filaments of fused deposition modeling for biomedical applications	Prof.Rupinder Singh	Guru Nanak Dev Engineering College Ludhiana 141006 Punjab	2103200
613	EMR	Investing the role of changes in physicochemical properties of cementitious materials on long term performance of stabilized layers	Dr.Syam Nair	Indian Institute of Technology Kanpur Kanpur 208016 Uttar Pradesh	4670000
614	EMR	Urban Black Carbon Global Impacts and Local Mitigations	Dr.Sharad B.Gokhale	Indian Institute of Technology Guwahati Guwahati 781039 Assam	4910000
615	EMR	Microfluidic platform for identification and isolation of target cells	Dr.Ashis Kumar Sen	Indian Institute of Technology Madras Chennai 620036 Tamilnadu	4706800
616	EMR	Polymer Coating on setting cement surface : fundamental hydration mecanism and interface design	Dr.Pijush Ghosh	Indian Institute of Technology Madras Chennai 600036 Tamilnadu	5903000

617	EMR	Development of multi-compartmental smart polymeric particles	Dr.Sampa Saha	Indian Institute of Technology Delhi New Delhi 110016 Delhi	4780700
618	EMR	Wetting behavior of fluids in presence of large particles on surfaces	Dr.Jayant K.Singh	Indian Institute of Technology Kanpur Kanpur 208016 Uttar Pradesh	5937700
619	EMR	Mechanistic investigations of electrochemical reactions using nonlinear electrochemical impedance spectroscopic experiments	Dr.Ramanathan Srinivasan	Indian Institute of Technology Madras Chennai 600036 Tamilnadu	4574500
620	EMR	Novel injectable nanofibrous cell carriers as the next generation cell therapy for cartilage repair	Dr.Jyotsnendu Giri	Indian Institute of Technology Hyderabad 502205 Telangana	5193900
621	EMR	Oppositely charged particles at interface: microstructure, mechanical properties and their application in emulsion and foam stabilization	Dr.Basavaraj M.Gurappa	Indian Institute of Technology Madras Chennai 600036 Tamilnadu	6110200
622	EMR	Development of polymer coated nanoparticle stabilized foams for Oilfield Application	Dr.Tushar Sharma	Rajiv Gandhi Institute of Petroleum Technology Rae Bareli 229316 Uttar Pradesh	4288500
623	EMR	Study of Evolution of antibiotic resistance, and Identification of drug targets in bacteria	Dr.Supreet Saini	Indian Institute of Technology Bombay Mumbai 400076 Maharashtra	6364500

624	EMR	New Methods of catalyzing thiol-ene reaction and its application for surface and polymer functionalization	Dr.LeenaNebhani	Indian Institute of Technology Delhi New Delhi 110016 Delhi	4641800
625	EMR	Development of polyionic liquid based silicate muds for wellbore stability in shale reservoirs	Dr.Shivanjali Sharma	Rajiv Gandhi Institute of Petroleum Technology Rae Bareli 229316 Uttar Pradesh	4282600
626	EMR	Soft Colloids with tunable interaction: Ionic microgels as models for soft dipolar fluids	Dr.Priti Sundar Mohanty	Kalinga Institute of Industrial Technology Bhubaneswar 751024 Odisha	4938000
627	EMR	Development of Novel, Single-step production of metal Oxide Aligned, Electrospun Core -Shell Nanofibers and Quantitative Assesment of their gas sensor performance	Dr.P.Biji	PSG Institute of Advanced Studies Coimbatore 640004 Tamilnadu	5639000
628	EMR	Design of CMOS integrated circuits for an in-band full-duplex radio	Dr.Nagarjuna Nallam	Indian Institute of Technology Guwahati 781039 Assam	3190000
629	EMR	Understanding electron and phonon transport in hetero atomic layer transistors	Dr.Santanu Mahapatra	Indian Institute of Science Bangalore 560012 Karnataka	2474400



630	EMR	Towards ultra-thin optical wavefront manipulation devices based on all-dielectric high-efficiency transmissive metasurfaces : demonstration of beam focusing and investigation of polychromatic designs	Dr.Ravi Sadananda Hegde	Indian Institute of Technology Gandhinagar Ahmedabad 382424 Gujarat	5806000
631	EMR	Experimental investigation and modeling of SOI based p-i-n/p-n phase -shifters and variable optical attenuators with sub-micron waveguides	Dr.Bijoy Krishna Das	Indian Institute of Technology Madras Chennai 600036 Tamilnadu	6070000
632	EMR	Design of Compact Multi-Band Multi-polarized Antennas for wireless communication systems	Dr.Kumar Vaibhav Srivastava	Indian Institute of Technology Kanpur 208016 Uttar Pradesh	3638000
633	EMR	High Power,wavelength diverse laser sources for industrial, communications and defense applications using cascaded Raman Nonlinearities	Dr.V.R.Supradeepa	Indian Institute of Science Bangalore 560012 Karnataka	6015000
634	EMR	Design and Analysis of Broadband and non-planer waveguide feed to the DRA	Dr.Bratin Ghosh	Indian Institute of Technology Kharagpur Kharagpur 721302 West Bengal	4378000
635	EMR	Cooperative Control for DC Microgrid	Dr.Soumya Ranjan Sahoo	Indian Institute of Technology Kanpur Kanpur 208016 Uttar Pradesh	2400000

636	EMR	2D-layered Materials based III-nitride bipolar electronics	Dr.Digbijoy Neelim Nath	Indian Institute of Science Bangalore 560012 Karnataka	5912700
637	EMR	Load Commutated Inverter fed active-reactive induction motor (ARIM) drive for medium voltage drive application	Dr.Kamalesh Hatua	Indian Institute of Technology Madras Chennai 600036 Tamilnadu	5968400
638	EMR	SERB-TSI Summer School on Tribiology at Indian Oil Institute of Petroleum Management	Dr.A.K.Mehta	Treasurer Society of India Faridabad 121007 Haryana	456929
639	EMR	Development of fibrous filter media to inhibit particle bounce and re-entrain in automotive engine intake air filtration	Dr.Dipayan Das	Indian Institute of Technology Delhi New Delhi 110016 Delhi	2786280
640	EMR	Grain Boundary Structure and Transformations	Dr.Abhay Raj Singh	Indian Institute of Technology Gandhinagar Ahmedabad 382424 Gujarat	4667900
641	EMR	Synthesis, Structure, Morphology and Stability of free and supported alloy Nanoparticles	Prof.Ravishankar Narayanan	Indian Institute of Science Bangalore 560012 Karnataka	6127100