

Science & Engineering Research Board

TARE Projects Sanctioned in the Year 2018-19			
S. No	Title	PI Details	Total Cost
1	A Silicon Photonic Integrated Circuit For Wavelength Division Multiplexed Passive Optical Network	Dr. Anamika Singh, K J Somaiya Institute of Engineering and Information Technology, Mumbai, Maharashtra, 400022	1830000
2	Surface Engineering To Improve Wear Resistance And Biocompatibility Of B-Phase Titanium Implant	Dr. Sarabjeet Singh Sidhu, Beant College of Engineering & Technology, Gurdaspur, Punjab, 140001	1830000
3	Modelling Fresh Submarine Groundwater Discharge In The Southeast Coastal Shoreline Of Tamil Nadu	Dr. Rajaveni Sp, National Centre for Earth Science Studies, Thiruvananthapuram, Kerala, 695011	1830000
4	To Establish An Experimental Setup For Validation Of Analytical Modal And Simulation Of Thermal Analysis Of A Travelling Wave Tube For Space Applications	Dr. Vishant Gahlaut, Central Electronics Engineering Research Institute Pilani, Pilani, Rajasthan, 333031	1830000
5	"Optical Spectroscopy To Optimize The Composition Of Hybrid Perovskite For Photoluminescence, Photovoltaic And Photocatalysis Applications"	Dr. Subhasis Roy, Bose Institute, Kolkata, West Bengal,	1830000
6	Investigation Of Tribological And Rolling Contact Fatigue Analysis Of AISI 52100 Steel With Micro And Nano-Additives Dispersed In Vegetable And Mineral Oil.	Dr. Shubrajit Bhaumik, S R M Institute of Science and Technology, Chennai, Tamil Nadu, 603203	1830000
7	A Study On Highly Acyclic Matrices With Special Emphasis On The Role Of Graph Labelling In Solving Some Inverse Eigenvalue Problems For Such Matrices	Dr. Debashish Sharma, Gurucharan College, Silchar, Assam, 788004	1830000
8	Individualization Of Head Related Transfer Function For Assisted Binaural Hearing	Dr. Debangshu Dey, Indian Statistical Institute Kolkata, Kolkata, West Bengal, 700108	1830000
9	Pd-Catalyzed Enantioselective Desymmetrization Of Aldehydes And Amines Via C-H Functionalization Using Transient Directing Group	Dr. Debajyoti Saha, Krishnagar Government College, Nadia, West Bengal, 741101	1830000
10	Synthesis And Characterization Of Thermochemical Materials For Solar Thermal Energy Storage	Dr. S Subrahmanyam Mendu, Maharaj Vijayaram Gajapathi Raj College of Engineering, Vizianagaram, Andhra Pradesh, 517506	1830000
11	Chemical Composition Of Atmospheric Fine Particles (PM2.5) Over A South Indian City, Nellore	Dr. Praveen Kumar Mallupattu, N B K R Institute of Science and Technology, Nellore, Andhra Pradesh, 600036	1830000

12	Investigation of Lithium Based Metal Oxides And CNT Based Nanocomposites For Lithium Ion Capacitor Applications	Dr. Nallamuthu N, Kalasalingam Academy of Research and Higher Education, Kalasalingam University, Virudunagar, Tamil Nadu, 560012	1830000
13	Corrosion Protection And Service Life Extension Of Reinforced Concrete Roofing System In Existing Buildings	Dr. Roopa Vijayaraghavan, B S Abdur Rahman Crescent Institute of Science and Technology, Chennai, Tamil Nadu, 600048	1830000
14	Dynamic Surfaces Via Supramolecular Host-Guest Interaction For Stem Cell Differentiation	Dr. Shafeekh Kulathinte Meethal, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Karnataka, 560064	1830000
15	The Effect Of Heat Source On Non-Newtonian Fluid Flow Through A Horizontal Porous Bed	Dr. Anjanna Matta, Icfai Foundation for Higher Education, Hyderabad, Telangana, 501203	1830000
16	Photovoltaic Evaluation Of Marine Based Photosynthetic Pigments As Co-Sensitizer For Efficient Solar Cell Performance	Dr. Anand M, National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	1830000
17	Total Synthesis Of Benzo[C]Phenanthridinones And Benzo[C]Phenanthridine Alkaloids Via A Metal Catalyzed Cyclization Of Aromatic Esters Or Amides With Azabenzonorbornadienes Through C H Bond Activation	Dr. Zulykama Yusuf, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1830000
18	Re-Purposing Of Anti-Hypertensive Drugs (Beta Blockers) And NSAIDS In Oral Squamous Cell Carcinoma: Newer Applications To Be Explored In Preclinical Studies	Dr. Vidya Rani, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1830000
19	Asymmetric Modification Of Two-Dimensional Nanofluidic Channel For Chiral Separation	Dr. Pabitra Kumar Kalita, North East Institute of Science & Technology, Jorhat, Assam, 785006	1830000
20	Morphotaxonomy And DNA Barcoding Based Identification Of Novel Species Of Nemerteans From Coastal Bay Of Bengal.	Dr. Sudipta Kumar Ghorai, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	1830000
21	Fucoidan Beads Containing Hydroxyapatite And Graphene Oxide For Bone Tissue Repair And Regeneration	Dr. Jayachandran Venkatesan, Yenepoya University, Mangalore, Karnataka, 575018	1830000
22	Detection And Diagnosis Of Model-Plant-Mismatch In Model Predictive Control Schemes	Dr. Vinodh Kumar, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1830000

23	Optimal Design Of In-Situ Remediation System For Shallow Contaminated Aquifers	Dr. Deepak Kumar, G B Pant University of Agriculture & Technology, Pantnagar, Uttarakhand, 263145	1830000
24	A Detailed Exploration Of The Anti-Mitotic Activity Of Dihydropyridine Chemical Scaffold: Tubulin As A Major Target	Dr. Runa Sur, Bose Institute, Kolkata, West Bengal, 700054	1830000
25	Evaluation Of The Nrf2 Anti-Oxidant Response Element (ARE) Pathway As A Promising Target For Alleviating Chemoresistance In Treatment Of Acute Lymphoblastic Leukemia (ALL)	Dr. Munindra Ruwali, National Institute of Pharmaceutical Education and Research Raebareli, Rae Bareli, Uttar Pradesh, 229010	1830000
26	Porphyrin Based Metal-Organic Frameworks For The Efficient Conversion Of CO2 To Value Added Chemicals	Dr. Rajat Saha, Kazi Nazrul University-West Bengal, Asansol, West Bengal, 713340	1830000
27	Tailoring Of Thermoelectric Properties Of PbS Quantum Dot Based Thin Films For High Temperature Applications	Dr. Purnima Hazra, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1830000
28	Tailoring Of Thermoelectric Properties Of PbS Quantum Dot Based Thin Films For High Temperature Applications	Dr. Tipparti Anil Kumar, National Institute of Technology Warangal, Warangal, Telangana,	1830000
29	Development Of Novel Deep Learning, Visual Servoing Approaches For Improved Detection Of Anti-Tank Mines Using Thermal Vision Assisted Mobile Robot	Dr. Sathiaseelan Denis Ashok, Indian Institute of Information Technology Design and Manufacturing, Kancheepuram, Kanchipuram, Tamil Nadu, 600127	1830000
30	Assessing Osteoporosis And Its Association With Calcium Intake, Vitamin D And Nutritional Status Among Adult Tribal Males And Females Of Manipur, Northeast India	Dr. N K Mungreiphy, Amity University Noida, Noida, Uttar Pradesh, 110067	1830000
31	Ecological Value And Change Sensitivity Based Approach For Defining Integrity Of Alpine Plant Communities In West Himalaya, India	Dr. Balwant Singh Rawat, Forest Research Institute, Dehradun, Uttarakhand, 248006	1830000
32	Efficient Harmonic Generation During Laser Plasma Interaction	Dr. Niti Kant, Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab,	1830000
33	Toughened Concrete For Building Structures Of National Importance Against Impact Forces	Dr. Partheepan Ganesan, Maharaj Vijayaram Gajapathi Raj College of Engineering, Vizianagaram, Andhra Pradesh,	1830000
34	Plasmonic Nanoparticles Decorated Heterogeneous Magnetic Nano-Catalysts for Removal of Pesticides: A Road Map Towards Water Purification	Dr. Sougata Sarkar, Ramakrishna Mission Vivekanand Centenary College, Kolkata, West Bengal,	1830000

35	Anhydro- And Dianhydro-Sugar Scaffolds: Skeletal Rearrangements And Access To The Synthesis Of Bioactive Targets	Dr. Vikram Basava, Gitam University, Vishakhapattanam, Andhra Pradesh, 530045	1830000
36	Characterization Of The Sensitizers Of TNF-Related Apoptosis Inducing Ligand (TRAIL)-Induced Apoptotic Pathway Identified By An RNAi Screen Approach, And To Elucidate Their Role As Chemotherapeutic Agents In Breast Cancer Cells	Dr. Sireesha V Garimella, Gitam University, Vishakhapattanam, Andhra Pradesh, 530045	1830000
37	Interaction Of Ring Shaped Solitons With Coherently Prepared Atomic Media.	Dr. Dipankar Bhattacharya, Saha Institute of Nuclear Physics, Kolkata, West Bengal, 700064	1830000
38	Exploring Magnetic, Magnetocaloric And Magnetoresistive Properties Of $Ti(Fe_{1-X}Co_X)_2$ ($0 \leq X \leq 1$)	Dr. S Shanmukharao Samatham, Maharaj Vijayaram Gajapathi Raj College of Engineering, Vizianagaram, Andhra Pradesh, 600036	1830000
39	Design Of Ag Decorated Oxide Quantum Dot / Graphene Nanocomposites: Highly Efficient Eco-Friendly Visible Light Photocatalyst	Dr. Kajari Dutta, Amity University Kolkata, Kolkata, West Bengal, 700156	1830000
40	Optimal Energy Management In Shipboard Microgrid With Solar PV	Dr. Preetha Roselyn J, National Institute of Ocean Technology Chennai, Chennai, Tamil Nadu,	1830000
41	Approximation Degree Of Positive Linear Operators Involving Orthogonal Polynomials	Dr. Neha Bhardwaj, Amity University Noida, Noida, Uttar Pradesh,	1830000
42	Quantification And Understanding Of The Variability Of 3D Turbulence Using Atmospheric Radars	Dr. Banty Tiru, National Atmospheric Research Laboratory, Chittoor, Andhra Pradesh, 517112	1830000
43	Machine Learning For Efficient Millimeter-Wave Communication	Dr. Vivek Ashok Bohara, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi,	1830000
44	Multimeric RGD Containing Protein Nanotubes Conjugated With Gold Nanorods For Specific Cancer Cell Recognition And Therapeutics	Dr. Varsha P Brahmkhatri, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1830000
45	A Convergent Synthetic Approach Towards Annelated Nitrogen Heterocycles: Total Synthesis Of Bhimamycin A & B, Biscogniauxone And Azamonosporascone	Dr. Bidyut Kumar Senapati, Prabhat Kumar College, Contai, Midnapore, West Bengal,	1830000
46	A Study On The Ligand Effect Of Boron Family (B, Al, Ga And In) As A Co-Metal In Nickel Based Intermetallics Towards Hydrogen Evolution Reaction.	Dr. Ashly P C, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Karnataka, 560064	1830000

47	Understanding The Evolution Of Bitter Taste	Dr. Aniruddha Mitra, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1830000
48	Rare Events In Synchronizing Systems	Dr. Shamik Gupta, Saha Institute of Nuclear Physics, Kolkata, West Bengal, 700064	1830000
49	Development Of 4-Ethylpiperic Acid (EPA) Congeners As Efflux Pump Inhibitors (EPis)	Dr. Saleem Farooq, Indian Institute of Integrative Medicine Jammu, Jammu, Jammu And Kashmir,	1830000
50	Magnetocaloric Properties Of Manganite Based Magnetic Materials	Dr. Lalitha G Reddy, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500607	1830000
51	Group 4 Catalysts For Dehydrogenation Of Alkanes	Dr. Naveen K Kulkarni, Amrita Vishwa Vidyapeetham University Kollam, Kollam, Kerala,	1830000
52	Smart Grid Security Control Using Nature-Inspired Decentralised Cooperative Metaheuristic Strategies	Dr. Kanchapogu Vaishakh, Andhra University College of Engineering, Vishakhapattanam, Andhra Pradesh, 751013	1830000
53	Development Of Practical Synthetic Approaches To Drugmacidins G, H, And Their Analogues: Studies Toward The Finding Of Highly Potent Antimicrobial And Anticancer Agents	Dr. Hemant Vilas Chavan, National Chemical Laboratory, Pune, Maharashtra, 411008	1830000
54	Development Of Anti-Spoofing Method For Automatic Speaker Verification System	Dr. Bharathi B, SSN College of Engineering, Kalpakkam, Tamil Nadu, 600036	1830000
55	Modeling And Design Of All-Optical Switching Devices For DWDM System And Sensors For Health Monitoring System Using Metal-Insulator-Metal Plasmonic Waveguides	Dr. Santosh Kumar, Dit University, Dehradun, Uttarakhand, 248009	1830000
56	An Autocidal Genetic Biocontrol In A Filippov System With Intermittent Harvesting In Marine Protected Areas	Dr. Joydeb Bhattacharyya, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	1830000
57	Selective Separation Of Ursolic Acid From Herbal Extract Using Polymeric Hollow Fiber Membranes	Dr. Suyogkumar Vijay Taralkar, Mit Accademy of Engineering Technology Research Laboratories, Pune, Maharashtra, 411008	1830000
58	Studies On Catalytic Applications Of Solid Supported Catalysts Of Palladium And Nickel Over Marble Slurry For The C-C Coupling Reactions	Dr. Prabhat Kumar Baroliya, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1830000

59	Modeling And Experimental Studies Of Cavitation In Globe Valves	Dr. Manoj Kumar Panthalingal, Fluid Control Research Institute, Palakkad, Palakkad, Kerala, 678623	1830000
60	Code Development & Design Studies Towards Sub-Mm Wave, Frequency Tunable Gyrotron For DNP Enhanced NMR Spectroscopy	Dr. Vivek Yadav, Central Electronics Engineering Research Institute Pilani, Pilani, Rajasthan,	1830000
61	Dimensionality Reduction And Pixel Classification In Hyperspectral Images	Dr. Hitendra Sarma T, Indian Statistical Institute Kolkata, Kolkata, West Bengal, 700108	1830000
62	Synthesis Of Some Carbohydrate Functionalized Thiourea And Thiazolidinones And Their Applications As Analytical Reagents For Estimation Of Toxic Metals And Fluoride Ions In Industrial Effluent Water	Dr. Satyanarayan Sahoo, Berhampur University, Berhampore, West Bengal, 760007	1830000
63	Integrating In-Silico And Wet Lab To Identify Novel Phytochemicals For Cancer Therapy	Dr. Monalisa Mandal, Institute of Life Sciences, Bhubaneswar, Orissa, 750023	1830000
64	Design And Development Of A Multi-Array Sensor For Assessment Of Muscle Fatigue And Activity Status For Rehabilitation.	Dr. Sridhar P A, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1830000
65	Controlling The Favourable Alignment Of Metal Phthalocyanine Molecules In Nanorods To Improve Their Carrier Mobility	Dr. Uttam Kumar Ghorai, Ramakrishna Mission Vidyamandir, Howrah, West Bengal,	1830000
66	Mini Tractor/Power Tiller Operated Vibrating Potato Harvester for Hill Terrain Farming	Dr. Faizur Rahman, Central Potato Research Institute, Shimla, Himachal Pradesh, 171001	1830000
67	Investigation Of Exchange Bias Phenomenon In Magnetic Shape Memory Alloy Thin Films And Bi-Layer For Multifunctional Applications	Dr. Saurabh Kumar Srivastava, D B S (PG) College, Dehradun, Dehradun, Uttarakhand, 248001	1830000
68	Femtosecond Laser Induced Breakdown Spectroscopy (Fs-LIBS) For Multi-Elemental Compositional Analysis	Dr. Anoop K K, Raman Research Institute, Bangalore, Karnataka, 560080	1830000
69	Nonequilibrium Dynamics Of Driven Quantum Many Body Systems	Dr. Analabha Roy, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	1830000
70	A Study Of Propagation Of Shock Waves In Conducting Or Non-Conducting Gases As Well As In Mixture Of A Gas And Small Solid Particles	Dr. Praveen Kumar Sahu, Government Shyama Prasad Mukherjee College Sitapur, Surguja, Chhattisgarh, 208016	1830000
71	Fire Resistance Of Reinforced Concrete (RC) Column- Revisiting Codal Provisions	Dr. Shujaat Hussain Buch, Islamic University of Science and Technology, Pulwama, Jammu And Kashmir, 192122	1830000

72	Large Scale Development Of ILP Markers In Pea (Pisum Sativum) And Their Potential Utility In Mapping, Diversity And Transferability Analysis	Dr. Raghvendra Kumar Mishra, Amity University Gwalior, Gwalior, Madhya Pradesh, 110067	1830000
73	In Vitro Rhizogenesis And Root Transformation In Endangered Himalayan Medicinal Herb Selinum Sp For Characterization Of Its Metabolites	Dr. Gauri Saxena, Central Institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh, 226015	1830000
74	Computational Investigations On The Mechanism Of Formation Of MoS ₂ Tribofilm From MoDTC And Its Degradation With Ageing Of Oil.	Dr. Deepthi Jose, National Institute of Technology Calicut, Calicut, Kerala, 673600	1830000
75	Corrosion Free Ductile Synthetic Fiber Reinforced Concrete Columns Using Glass Fiber Reinforced Polymer Bars And Stirrups	Dr. Jayaprakash Narayana Samudrala, Mahatma Gandhi Institute of Technology, Hyderabad, Telangana, 502205	1830000
76	Graphene Gold Nanoparticles Based Biosensors: A Molecular Dynamic Study	Dr. Vasumathi Velachi, Holy Cross College Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620002	1830000
77	Study Of Enhancement Of Heat Transfer Capacity Of Molten Salt Heat Transfer Fluids For Solar Thermal Power Plants Using Nano-Particles	Dr. Anupama Venkatesh Joshi, R V College of Engineering, Bangalore, Karnataka, 560059	1830000
78	Study Of Spin-Orbit Interaction Of Light Beam Using Electro-Optic And Photorefractive Materials For Optical Application	Dr. Chandravati, University of Hyderabad, Hyderabad, Telangana, 500046	1830000
79	Studies On The Smelting Reduction Of Mining Waste	Dr. Siddhartha Tiwari, Institute of Minerals & Materials Technology, Bhubaneshwar, Orissa, 751013	1830000
80	"Study The Role Of MicroRNA In The Regulation Of Hypertriglyceridemia Associated With Active Visceral Leishmaniasis Cases"	Dr. Abul Hasan Sardar, Indian Institute of Chemical Biology, Kolkata, West Bengal, 700032	1830000
81	A Study Of Abiotic Stress On Callus Culture Of Some Cruciferous Vegetables For Assessment Of Indole -3-Carbinol Content	Dr. M Senthil Kumar, St Xavier's College, Burdwan, Burdwan, West Bengal, 713103	1830000
82	Design And Development Of Graph Algorithms For Control Of Complex Networks With Applications In Computational Biology	Dr. Sunitha Vadivel Murugan, Institute of Mathematical Sciences, Chennai, Tamil Nadu,	1830000
83	Performance Analysis And Characterization Of Si/ZnO Heterojunction Diode As Pressure Sensor	Dr. P Suveetha Dhanaselvam, National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	1830000
84	Molecular Mechanism Of The Protein Aggregation And Its Modulation By Peptide Chaperones In Myopathy Caused By Mutations In AB Crystallin	Dr. Srabani Karmakar, Saha Institute of Nuclear Physics, Kolkata, West Bengal, 700064	1830000

85	Impact Of Physical Process On The Fisheries Of The North Indian Ocean	Dr. Vijith V, National Institute of Oceanography, Goa, Dona Paula, Goa,	1830000
86	Advanced Giant Magnetocaloric Materials Near Room Temperature And Applications To Magnetic Refrigeration	Dr. Bibekananda Maji, Acharya Jagadish Chandra Bose College, Kolkata, West Bengal, 700020	1830000
87	Organic Electroactive Materials For High Performance Mg-Ion Rechargeable Batteries	Dr. Jyothi C Abbar, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1830000
88	Insights On The Resistive Switching Mechanisms In Exotic Manganite/Transition Metal Oxide Nano-Heterostructured Devices Grown Via Pulsed Laser Deposition (PLD): A Comparative Investigation Using Conductive Atomic Force Microscopy (CAFM) And Classical Prob	Dr. Vivek Vishwanath Antad, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1830000
89	Self-Sustaining Photo Bio-Catalytic Reactors With Concomitant Biofuel Harvesting From Crepe Cotton Wastewater	Dr. Naresh Kumar Sharma, National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	1830000
90	Design Of Highly Efficient Cost Effective MXene Based Catalyst For CO ₂ Reduction Using First-Principles Density-Functional Theory	Dr. Pooja Srivastava, Amity University Noida, Noida, Uttar Pradesh,	1830000
91	Light Induced Process Of Hierarchical Electron Cascade System, Materials And Devices For Solar Energy Conversion	Dr. Asha Jhonsi Mariadoss, B S Abdur Rahman Crescent Institute of Science and Technology, Chennai, Tamil Nadu, 600048	1830000
92	Synthesis And Characterization Of Functional Carbon Quantum Dots As Chemosensors For Drug Molecules	Dr. Gurpreet Kaur, Sri Guru Gobing Singh College Chandigarh, Chandigarh, Punjab,	1830000
93	Study Of Recent Advances Of Special Functions With Computer Algebra	Dr. Praveen Agarwal, Harish Chandra Research Institute, Allahabad, Uttar Pradesh, 211019	1830000
94	Development And Evaluation Of Point Of Care Diagnostics For Theileriosis And Babesiosis In Cattle	Dr. Dhanalakshmi Hanumappa, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Karnataka, 560064	1830000
95	Hybrid SRAM Memory Architecture For Multi Core Processors	Dr. Vaibhav Neema, Devi Ahilya Vishwavidyalaya, Indore, Madhya Pradesh, 453552	1830000
96	Self-Organized Synthesis Of Metal-Semiconductor Core-Shell Nanoparticles By Ion-Beam-Dewetting For Sensing And Photovoltaic Applications	Dr. Debi Prasad Datta, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	1830000

97	Structural, Functional Analysis And Biological Confirmation Of Thermostable Alpha-Amylase	Dr. George J John, Christ College Rajkot, Rajkot, Gujarat, 560012	1830000
98	“In Vitro And In Vivo Determination Of Anticancer Activities Of Diarylheptanoids Derived From Garuga Pinnata Roxb.”	Dr. Thupurani Murali Krishna, National Institute of Technology Warangal, Warangal, Telangana,	1830000
99	Development Of A Novel Synthetic Protocol In Designing A New Class Of 3d-4f COMPLEX salts with (N,N) Ligands And Evaluation Of Their Structural Aspects	Dr. Bhaskar Biswas, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	1830000
100	Enzyme Mediated Bioremediation Of Radionuclides And Heavy Metals From Effluents Employing Engineered Alkaline Phosphatase(S)	Dr. Richard Thilagaraj, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1830000
101	“Development Of An Ergonomically Designed Palmyrah (Borassus Flabellifer) Fiber Extraction Machine And Characterization Of Palmyrah Palm Fiber Reinforced Epoxy Biocomposites Product”	Dr. Isidore Sudagar, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, 641003	1830000
102	Design Of Optimal Signal Constellation And Detection Algorithm For Energy Efficient Millimeter Wave Radio Units	Dr. Arpita Thakre, Amrita Vishwa Vidyapeetham Bengaluru, Bangalore, Karnataka, 600036	1830000
103	Edge Saturated Si ₂ BN Nano-Ribbon As High-Capacity Anode Materials For Next Generation Mg Ion Batteries	Dr. Pushamitra Panigrahi, Hindustan Institute of Technology and Science, Kanchipuram, Tamil Nadu,	1830000
104	Bifurcation Analysis Of Fractional Differential Equation Model Of Ecosystem- Study Of Memory Dependence	Dr. Uttam Ghosh, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1830000
105	Charge Transport Through Intercalated DNAs	Dr. Sunil R Patil, College of Engineering, Pune, Maharashtra,	1830000
106	Mechanistic Anti-Tumour Activity Of Vernodalin Isolated From Centratherum Anthelminticum On Colorectal Cancer Cells	Dr. Ashok Kumar Pandurangan, Central Leather Research Institute, Chennai, Tamil Nadu, 600020	1830000
107	Prevention Of Thermal Damage To Turbine Blade	Dr. Ashutosh Tiwari, Rajkiya Engineering College Banda, Banda, Uttar Pradesh, 208016	1830000
108	“Development Of Aquafeed Supplementing With Spirulina And Seaweed”	Dr. Chellaiah Periyasamy, Central Marine Fisheries Research Institute, Kochi, Kerala, 628001	1830000
109	Development Of Microbial Electrolysis Cell To Unravel The Mechanism Of Electrical Interplay Systems For Electromethanogenesis	Dr. P Chellapandi, Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu, 630006	1830000

110	How Does Water Behave In Complex Environments: Effect Of A Competing Solvent And Polar And Non-Polar Solute	Dr. Mausumi Chattopadhyaya, Amity University Noida, Noida, Uttar Pradesh, 110067	1830000
111	Experimental And Computational Study Of Mist Based Evaporative Cooling Of Air In Enclosures	Dr. Pratibha Biswal, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1830000
112	Design And Synthesis Of Luminescent Lanthanide Complexes For Organic Light Emitting Diodes	Dr. Ambili Raj Db, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram, Kerala, 695019	1830000
113	Investigation On Mechanics Of Needle Insertion On Soft Materials	Dr. Rajeshkumar G, Psg Institute of Technology and Applied Research, Coimbatore, Tamil Nadu, 641062	1830000
114	Modelling and Performance Evaluation of A Software Defined Photonics Radars	Dr. Asha Dnyanoba Shendge, G H Raisoni Institute of Engineering & Technology, Pune, Maharashtra, 412207	1830000
115	Serum Metabolic Profiling For Potential Biomarkers Identification Of Oral Lichen Planus	Dr. Rashmi Mukherjee, Raja N L Khan Women's College, Midnapore, West Bengal, 721102	1830000
116	Stochastic Pacing Therapy For Cardiac Fibrillation Prevention	Dr. Anindita Ganguly, Guru Nanak Institute of Technology, Kolkata, West Bengal, 700114	1830000
117	Application Of Substitutionally Doped Graphyne, Graphdiyne And Penta-Graphene Nanomaterials In Lithium-Ion Battery: An Ab Initio Study	Dr. Jyoti Roy Choudhuri, B M S Institute of Technology, Bangalore, Karnataka, 560064	1830000
118	Azimuthal Anisotropy Of Charmed Mesons In Au+Au Collisions At 200 GeV In STAR Experiment At RHIC	Dr. Jaiby Joseph, National Institute of Science Education and Research Bhubaneswar, Bhubaneshwar, Orissa, 751005	1830000
119	Iron Complexes Of Tridentate Amide Ligands For Reductive O ₂ Activation	Dr. Purak Das, Rishi Bankim Chandra College for Women, Kolkata, West Bengal, 741246	1830000
120	Assessment Of Genetic Variations For Nitrite Toxicity In Selectively Bred Giant Freshwater Prawn, Macrobrachium Rosenbergii (De Man)	Dr. Shubhasree Shankar, Central Institute of Fresh Water Aquaculture, Bhubaneshwar, Orissa, 751002	1830000
121	Rational Design of Near Infrared (Nir) Emitting Organic Fluorophore For Organelle Specific Live Cell Imaging	Dr. Susan Abraham, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram, Kerala, 695019	1830000

122	Development Of Continuous Gradient Functionally Graded Materials (FGMs) By Using Gravity Die Casting.	Dr. Surekha Benguluri, Indian Institute of Technology Bhubaneswar, Bhubaneshwar, Orissa, 751013	1830000
123	New Physics And It's Precision Measurements	Dr. Swapan Kumar Majhi, Institute of Mathematical Sciences, Chennai, Tamil Nadu,	1830000
124	The Effect Of Wind Turbines On The Foraging Behaviour And Stress Physiology Of Small Mammals, And The Activity Of Their Mammalian Predators	Dr. Shomen Mukherjee, Azim Premji University Banglore, Bangalore, Karnataka,	1830000
125	Identification Of Pathways Involving Bcl-2 Family Of Proteins: A Network Biology Approach	Dr. Manish Kumar Gupta, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1830000
126	Targeting Of The Spliceosome In Esophageal Squamous Cell Carcinoma	Dr. Manoj Kumar Kashyap, Glocal University, Saharanpur, Uttar Pradesh,	1830000