

Science & Engineering Research Board

EMR Projects Sanctioned in the Year 2017-18					
S. No	Discipline	Sub Area	Title	PI Details	Total Cost
1	Chemical Science	Inorganic and Physical Chemistry	Surface anchored metal organic thin film devices	Dr. Nirmalya Ballav, Indian institute of Science Education and Research Pune, Pune, Maharashtra, 411008	6803280
2	Chemical Science	Inorganic and Physical Chemistry	Design of diagnostic tools to monitor certain diseases via molecular imprinting mimicking bio recgnitor	Dr. Meenakshi Singh, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	4387810
3	Chemical Science	Inorganic and Physical Chemistry	Coordination complexes of organic radicals systhesis X-ray crystallography, EPR Spectroscopy redox activity DFT calculations and activation of diatomic molecular	Dr. Prasanta Ghosh, Ramakrishna Mission Residential College, Kolkata, West Bengal,	4163280
4	Chemical Science	Inorganic and Physical Chemistry	Exploration of key photinduced dyanmics in inorganic nanohybrids for enhanced biological activities	Dr. Samir Kumar Pal, S N Bose National Centre for Basic Sciences, Kolkata, West Bengal, 700098	1998000
5	Chemical Science	Inorganic and Physical Chemistry	Metal Complexes based probes for arylamine modified biomlecules	Dr. Dr. Vaidyanathan Ganesan, Central Leather Research institute, Chennai, Tamil Nadu, 600020	2286145
6	Chemical Science	Inorganic and Physical Chemistry	Development of new organoruthenium catalysis for direct synthesis of amides and anines/imines from dehydrogenation of alcohols	Dr. Ramesh Rengan, Bharathidasan University, Tiruchirappalli, Tamil Nadu, 620024	3229600
7	Chemical Science	Inorganic and Physical Chemistry	Synthesis characterization and investigation of physiochemical of specific ionic liquid (IL) based systems for evalution of electrochemical and photocatalytic activities	Dr. Ruli Borah, Tezpur University, Tezpur, Assam, 784028	4432560

8	Chemical Science	Inorganic and Physical Chemistry	A Comparative study on microscopic structure and dynamics near glass transition in linear polymer melt at low high densities	Dr. Prasanth P Joes, Indian institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	2023780
9	Chemical Science	Inorganic and Physical Chemistry	Insights into the origins of non statistically in reaction dynamics from mechanisms to control	Dr. Srihari Keshavamurthy, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	3889600
10	Chemical Science	Inorganic and Physical Chemistry	Synthesis of phosphonated polymer Electrolyte membranes for high temperature fuel Cells	Dr. Sangeetha Dharmalingam, Anna University Chennai, Chennai, Tamil Nadu,	2406730
11	Chemical Science	Inorganic and Physical Chemistry	Chemistry of monovalent group 13 and divalent group 14 bases A Theoretical study	Dr. Ashwini K Phukan, Tezpur University, Tezpur, Assam, 784028	4377560
12	Chemical Science	Inorganic and Physical Chemistry	Extending π conjugation of metal bis dithiolene with organic backbones NIR Absorbing hybrid materials for optoelectronic applications	Dr. Vedichi Madhu, Karunya University, Coimbatore, Tamil Nadu,	3828760
13	Chemical Science	Inorganic and Physical Chemistry	Synthesis and characterization of ruthenium and palladium N-Heterocyclic carbene complexes appended with naphthalimide naphthalenediimide perylene diimide and fluorene moiety exploitation of π stacking in homogeneous catalysis	Dr. G Thirumanavelan, Vit University, Vellore, Tamil Nadu, 632014	2602800
14	Chemical Science	Inorganic and Physical Chemistry	Multifunctional catalysis based on silica and carbon for enhanced applications	Dr. Ankush V Biradar, Central Salt & Marine Chemicals Research institute, Bhavnagar, Gujarat,	3643055
15	Chemical Science	Inorganic and Physical Chemistry	Fluorescence characteristics of π -conjugated lanthanide metallopolymers for light emitting applications	Dr. Devender Singh, Maharshi Dayanand University, Rohtak, Haryana,	3431890

16	Chemical Science	Inorganic and Physical Chemistry	Design and synthesis of new immobilized recyclable catalysts and their applications in carbonylation and carbon dioxide fixation reactions for synthesis of fine chemicals	Dr. Sk Manirul Islam, University of Kalyani, Kalyani, West Bengal, 741235	4401320
17	Chemical Science	Inorganic and Physical Chemistry	Studying catalytic carbonylation of polyols sustainable route to carboxylic acids from renewable platforms	Dr. Bibhas Ranjan Sarkar, Birla institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	3229600
18	Chemical Science	Inorganic and Physical Chemistry	Flourescent self assembled monolayers on quartz glass substrates sensing metal ions and small biomolecules	Dr. Diganta Kumar Das, Gauhati University, Guwahati, Assam, 781014	3614600
19	Chemical Science	Inorganic and Physical Chemistry	Development of transition metal complexes as water oxidation catalyst	Dr. Subhendu Naskar, Birla institute of Technology Mesra, Ranchi, Ranchi, Jharkhand, 835215	2834040
20	Chemical Science	Inorganic and Physical Chemistry	Lightweight ultra thin organic perovskite hybrid tandem solar cells based on solution processable metal oxide interfacial for wearable electronics	Dr. Ananthanarayanan Krishnamoorthy, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	3193520
21	Chemical Science	Inorganic and Physical Chemistry	Electrochemical and Photophysical studies of singlet fission materials based on indigo derivatives	Dr. Md Abdul Wahab, Cotton College State University, Guwahati, Assam, 781001	4105200
22	Chemical Science	Inorganic and Physical Chemistry	Reducing computational complexity using FPGA to study structure and dynamical properties of nanoparticles	Dr. Satya Silendra Bulusu, Indian institute of Technology indore, Indore, Madhya Pradesh, 452011	2194615
23	Chemical Science	Inorganic and Physical Chemistry	Understanding the Molecular Basis of the Biased Signaling Mechanism in G-Protein Coupled Receptors Using Computer Simulations	Dr. Arvind Kumar, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	4348520

24	Chemical Science	Inorganic and Physical Chemistry	Exploring new molecular magnetic refrigerants with Cu-Gd systems	Dr. Mohammad Shahid, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	2775520
25	Chemical Science	Inorganic and Physical Chemistry	Nanocrystalline substituted cobalt based metal oxides for oxygen evolution reaction: A prerequisite for photochemical water splitting	Dr. Aditi Singhal, Ahmedabad University, Amreli, Gujarat, 380009	3428480
26	Chemical Science	Inorganic and Physical Chemistry	Optimization of Various Nano Rare Earth Metal Oxides Based System as Electrocatalyst for Oxygen Reduction Reactions.	Dr. Purnendu Parhi, Ravenshaw University, Cuttack, Orissa,	3214605
27	Chemical Science	Inorganic and Physical Chemistry	The phase transition of thermo-responsive polymer in the presence of proteins as stimuli	Dr. Pannuru Venkatesu, University of Delhi, Delhi, Delhi, 110007	4027520
28	Chemical Science	Inorganic and Physical Chemistry	Mechanistic of CO Oxidation on Metal Free Catalyst and Property Package	Dr. Ranjit Thapa, S R M University Kattan kulathur, Kattankulathur, Tamil Nadu, 603203	3545520
29	Chemical Science	Inorganic and Physical Chemistry	Development of Chiral Inorganic-Organic Hybrid Materials based on Polyoxometalates and its Catalytic Applications	Dr. Anjali U Patel, M S University of Baroda, Vadodara, Gujarat, 390002	3138410
30	Chemical Science	Inorganic and Physical Chemistry	“Development of novel composite membranes using the blends of sulfonated hydrocarbon polymers and 2D layered nano-materials for electrochemical energy conversion devices”	Dr. Alagumalai Nagendran, Alagappa Government Arts College, Karaikudi, Tamil Nadu,	2790040
31	Chemical Science	Inorganic and Physical Chemistry	Real-time TDDFT study of photo-induced excited state dynamics in transition metal dichalcogenide based nano-structures	Dr. Varadharajan Srinivasan, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	4526720
32	Chemical Science	Inorganic and Physical Chemistry	Exploring multifunctional properties of the solid solutions of rare-earth oxides with oxides of p-block metal ions possessing related structures	Dr. Rajamani Nagarajan, University of Delhi, Delhi, Delhi, 110007	3368695

33	Chemical Science	Inorganic and Physical Chemistry	Synthesis of D-glucose derived glycoconjugates and their application in molecular recognition and catalysis	Dr. Ajay Kumar Sah, Birla institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	3009600
34	Chemical Science	Inorganic and Physical Chemistry	Solid State Proton Conduction and Selective CO ₂ Adsorption by Edge Functionalized Few-layer Graphene	Dr. Amit Paul, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	4180000
35	Chemical Science	Inorganic and Physical Chemistry	Development of new methods and algorithms based on non-equilibrium statistical methods for computation of free energy surfaces and rates of bio-molecular processes by simulation methods	Dr. Prabhakar Bhimalapuram, international institute of information Technology Hyderabad, Hyderabad, Telangana,	3249400
36	Chemical Science	Inorganic and Physical Chemistry	Unravelling the Role of Heme in Bacterioferritin	Dr. Rabindra Kumar Behra, National institute of Technology Rourkela, Rourkela, Orissa, 769008	4469750
37	Chemical Science	Inorganic and Physical Chemistry	Development of Polymer Supported Niobium and Tantalum Based catalysts for Organic Oxidations under Ecologically Sustainable Reaction Conditions	Dr. Nashreen S Islam, Tezpur University, Tezpur, Assam, 784028	4517260
38	Chemical Science	Inorganic and Physical Chemistry	Design of guanidine based chiral ligands and their ruthenium-arene complexes for asymmetric catalysis	Dr. R Karvembu, National institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	3088875
39	Chemical Science	Inorganic and Physical Chemistry	Catalytic synthesis of P-chiral supramolecular phosphines and their implication in asymmetric hydroformylation	Dr. Samir Hujur Chikkali, National Chemical Laboratory, Pune, Maharashtra, 411008	4240080
40	Chemical Science	Inorganic and Physical Chemistry	Metal free deep blue emitting fluorophores for organic light emitting diodes: approaching NTSC standard	Dr. Vaidyanathan Sivakumar, National institute of Technology Rourkela, Rourkela, Orissa, 769008	4229500

41	Chemical Science	Inorganic and Physical Chemistry	Synthesis of Novel β -Functionalized Porphyrins for Dye-Sensitized Solar Cell (DSSC), Nonlinear Optics (NLO) and Anion Sensing Applications	Dr. Muniappan Sankar, Indian institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	3080000
42	Chemical Science	Inorganic and Physical Chemistry	Competitive/coupled photoinduced processes in some new molecular systems: Basic photophysics and applications	Dr. Nikhil Guchhait, University of Calcutta, Kolkata, West Bengal, 700073	4290000
43	Chemical Science	Inorganic and Physical Chemistry	Designing of Green Synthetic Approaches for Atomically Precise Nanoclusters for Dictating their Specific Interactions: Development of Miniaturized Analytical Methods	Dr. Suresh Kumar Kailasa, Sardar Vallabhbhai National institute of Technology, Surat, Gujarat,	3504655
44	Chemical Science	Inorganic and Physical Chemistry	Tuning tricyclic organotin skeletons for their potential applications in organic synthesis	Dr. Varinder Kaur, Panjab University, Chandigarh, Chandigarh, 160014	3074385
45	Chemical Science	Inorganic and Physical Chemistry	Forecasting the power output of sensitized solar cells (SSC) with varying structural and weather parameters using soft computing techniques	Dr. Praveen Kumar Surolia, Manipal University Jaipur, Jaipur, Rajasthan, 303007	6822695
46	Chemical Science	Inorganic and Physical Chemistry	Design and Development of novel broad absorption semiconductor/ Oxides for efficient water splitting: Role of morphology and charge transfer amongst the composites	Dr. Mohammad Qureshi, Indian institute of Technology Guwahati, Guwahati, Assam, 781039	3910720
47	Chemical Science	Inorganic and Physical Chemistry	Development of metal chalcogenide nanomaterials and their carbon based nanocomposites using single source molecular precursors for supercapacitor applications	Dr. Shivram Sapon Garje, University of Mumbai, Mumbai, Maharashtra, 400098	3201285

48	Chemical Science	Inorganic and Physical Chemistry	Models for Type-2 and Type-3 Copper Oxidases: Synthesis, Structure and Spectral, Electrochemical and Catalytic Properties of Mononuclear Copper(II) Complexes	Dr. Mariappan Murali, National College, Tiruchirappalli, Tiruchirappalli, Tamil Nadu,	3715800
49	Chemical Science	Inorganic and Physical Chemistry	Synthesis and Catalytic Investigation towards H ₂ evolution by 1st Row Transition Metal based Molecular Catalysts	Dr. Sumanta Kumar Padhi, Indian institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	2899600
50	Chemical Science	Inorganic and Physical Chemistry	Development of Layered Conducting Ceramic Nanomaterials of MAX phase and MXenes for Energy Conversion and Storage Applications	Dr. Balachandra Anand Kakade, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	5384050
51	Chemical Science	Inorganic and Physical Chemistry	Carbon dioxide amelioration by layered double hydroxides	Dr. Vishnu Kamath, Bangalore University, Bangalore, Karnataka,	6004460
52	Chemical Science	Inorganic and Physical Chemistry	Development and Spectroscopic Studies of New Fluorescent Materials Based on Photophysical Proton-Transfer and Charge-Transfer Processes	Dr. Debabrata Mandal, University of Calcutta, Kolkata, West Bengal, 700073	3669480
53	Chemical Science	Inorganic and Physical Chemistry	Solid state Nuclear Magnetic Resonance (NMR) assessment of zinc oxide (ZnO) nanomaterial based drug delivery systems	Dr. Samanwita Pal, Indian institute of Technology Jodhpur, Jodhpur, Rajasthan,	3545520
54	Chemical Science	Inorganic and Physical Chemistry	Vitamin B12 Model Complexes: Cobaloximes With Substituted Aromatic Dioximes: Synthesis, Structure-Property Relationship Studies And Their Application In Electrocatalytic Hydrogen Generation	Dr. Vijaikanth Vijendran, Karunya University, Coimbatore, Tamil Nadu,	6462995
55	Chemical Science	Inorganic and Physical Chemistry	Perylenebisimide-Porphyrinoid conjugates as multi-chromophoric assemblies: Synthesis, Characterization and Applications	Dr. Jeyaraman Sankar, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	7112840
56	Chemical Science	Inorganic and Physical Chemistry	Optoelectronic Properties of Polythiophene - Peptide Nanoconjugates	Dr. Arun K Nandi, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	6505335

57	Chemical Science	Inorganic and Physical Chemistry	Hydration Pattern Of Misfolded Proteins	Dr. Parbati Biswas, University of Delhi, Delhi, Delhi, 110007	4339940
58	Chemical Science	Inorganic and Physical Chemistry	Electrochemical Impedance At Rough And Porous Electrodes: Theory And Experimental Corroboration	Dr. Rama Kant, University of Delhi, Delhi, Delhi, 110007	3850440
59	Chemical Science	Inorganic and Physical Chemistry	Ionic Liquids And Deep Eutectic Solvents Based Colloidal Formulations: Applications Towards Light Harvesting And Gas Adsorption/Storage Materials	Dr. Arvind Kumar, Central Salt & Marine Chemicals Research institute, Bhavnagar, Gujarat,	1796255
60	Chemical Science	Inorganic and Physical Chemistry	An Investigative Study On The Optoelectronic Properties Of Group 16 Pi-Conjugated Materials Containing Peripheral Boron Moieties	Dr. Rajiv Trivedi, Indian institute of Chemical Technology, Hyderabad, Telangana, 500607	3258145
61	Chemical Science	Inorganic and Physical Chemistry	Efficacy Of Appropriately Tailored Biopolymer And Carbonaceous Adsorbents For The Separation And Recovery Of Europium	Dr. N Rajesh, Birla institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana, 500078	2959370
62	Chemical Science	Inorganic and Physical Chemistry	Structure-Property Characteristics Of Low-Energy Ion Beam Irradiated Biopolymer Composites.	Dr. K Rawat, inter University Accelerator Centre, New Delhi, Delhi,	3075840
63	Chemical Science	Inorganic and Physical Chemistry	Biologically Viable Iron-Based MRI Contrast Agents	Dr. Ramasamy Mayil Murugan, Madurai Kamaraj University, Madurai, Tamil Nadu, 625021	6955520
64	Chemical Science	Inorganic and Physical Chemistry	Hydroxyl Group As The Vibrational Reporter For Dynamics Of Aqueous Solutions	Dr. Bhabani S Malik, Indian institute of Technology Hyderabad, Hyderabad, Telangana, 502205	5098280
65	Chemical Science	Inorganic and Physical Chemistry	Addressing Physical Chemistry Underlying Prevention Of Fibrillation/Aggregation Of Proteins Including Role Of Protein Folding Intermediates	Dr. Nand Kishore, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	7628500
66	Chemical Science	Inorganic and Physical Chemistry	Designing Bimetallic Complexes With Cooperative Metal-Metal Interactions For The Multi-Electron Reduction Of Small Molecules	Dr. Amrendra Kumar Singh, Indian institute of Technology indore, Indore, Madhya Pradesh, 452011	6099940

67	Chemical Science	Inorganic and Physical Chemistry	Development Of In-Situ Contactless Thermometer And Viscometer Through Spatiotemporal Control At Nano-Scale Dimension To Unravel The Dynamics Of Complex Systems: Vibrating Molecules, Colloidal Clusters And Multiple Phases	Dr. Debabrata Goswami, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	5060000
68	Chemical Science	Inorganic and Physical Chemistry	High Valent Metallo—Corroles: Synthesis, Characterization And Applications To Catalysis	Dr. Sanjib Kar, National institute of Science Education and Research Bhubaneswar, Bhubaneshwar, Orissa, 751005	5409820
69	Chemical Science	Inorganic and Physical Chemistry	Development Of New Catalytic Systems For Efficient Transformation Of Biomass/Biomass Derivatives To Biofuel Components	Dr. Sanjay Kumar Singh, Indian institute of Technology indore, Indore, Madhya Pradesh, 452011	5415520
70	Chemical Science	Inorganic and Physical Chemistry	Valence And Spin Exchange In Symmetric And Unsymmetric Poly-Ruthenium And Osmium Frameworks Involving Potential Reox-Active Ligands	Dr. G K Lahiri, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	6969600
71	Chemical Science	Inorganic and Physical Chemistry	Heteroatoms Induced Functionality Of Seaweed-Polysaccharides For Potential Applications	Dr. Ramavatar Meena, Central Salt & Marine Chemicals Research institute, Bhavnagar, Gujarat,	4237055
72	Chemical Science	Inorganic and Physical Chemistry	Mesoporous Silica Nanoparticles Assisted Remote-Type M ₂ -XEuxSiO ₄ (M = Alkali Earth Metals) Phosphors For Warm White LED Applications	Dr. Sakhivel Gandhi, Sastra University, Thanjavur, Tamil Nadu, 613401	3222560
73	Chemical Science	Inorganic and Physical Chemistry	Exploratory Synthetic Investigation To Recognize Novel Solid Oxide Materials With An Emphasis On Layered Structures	Dr. Sitharaman Uma, University of Delhi, Delhi, Delhi, 110007	3428480
74	Chemical Science	Inorganic and Physical Chemistry	Investigation Of The Atomistic Mechanism Of The Co-Solvent Effects On Protein Folding Equilibrium	Dr. Deva Priyakumar, international institute of information Technology Hyderabad, Hyderabad, Telangana	5201350

75	Chemical Science	Inorganic and Physical Chemistry	Role Of Structure, Metal-Carbon Stoichiometry And Defects On Reactivity Of Transition Metal Clusters Supported On Metal Carbides And MXenes For Selective Hydrogenation Of CO ₂ To Methanol: An Ab Initio Study	Dr. Prasenjit Ghosh, Indian institute of Science Education and Research Pune, Pune, Maharashtra, 411008	6563590
76	Chemical Science	Inorganic and Physical Chemistry	Investigations Into The Effects Of The Hot-Zone And Its Implications For Separation Of Mixtures	Dr. Subramanian Yashonath, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	6697625
77	Chemical Science	Inorganic and Physical Chemistry	Low Dimensional Misfit Heterostructures: Synthesis, Structural Engineering And Properties	Dr. Leela Srinivas Panchakarla, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	5500000
78	Chemical Science	Inorganic and Physical Chemistry	Computational Prediction Of Novel Thermoelectric Nanomaterials	Dr. Chandan Bera, institute of Nano Science and Technology, Mohali, Punjab, 160047	2131055
79	Chemical Science	Inorganic and Physical Chemistry	Fabrication Of Symmetric/Asymmetric High Energy Density Supercapacitor In Non-Aqueous Electrolytes Using Bio-Derived Carbon/Carbon Nanocomposites	Dr. M Sathish, Central Electro Chemical Research institute, Karaikudi, Tamil Nadu, 630006	3052565
80	Chemical Science	Inorganic and Physical Chemistry	Towards The Search For New Chromophores In The Solid State	Dr. S Natarajan, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	8763480
81	Chemical Science	Inorganic and Physical Chemistry	Understanding The Mechanism Of Histone Deacetylase 6 Isoform By Using Synthetic Zinc(II) Complexes	Dr. Tamil Selvi, Thiagarajar College, Madurai, Tamil Nadu,	3539580
82	Chemical Science	Inorganic and Physical Chemistry	Corrosion Inhibition Of Metals And Alloys By Some Newly Synthesized Schiff Bases And There Synergism In Acidic Medium	Dr. Gurmeet Singh, University of Delhi, Delhi, Delhi, 110007	3428480
83	Chemical Science	Inorganic and Physical Chemistry	Chemically Modified Electroactive Polymer Nanoparticles For Electrochemical Detection Of Heavy Metal Ions	Dr. Alex Joseph, Newman College Thodupuzha, Idukki, Kerala,	2704880

84	Chemical Science	Inorganic and Physical Chemistry	Oxidative Dehydrogenation Of Propane With CO ₂ To Their Olefins: Catalysis And Investigation On Factors That Control The Reaction	Dr. Raja Thirumalaiswamy, National Chemical Laboratory, Pune, Maharashtra, 411008	5747760
85	Chemical Science	Inorganic and Physical Chemistry	Nanostructured Metal Oxides Immobilized Ionic Liquids As Green Catalysts For Selective Organic Transformations	Dr. Siddhartha Sankar Dhar, National institute of Technology Silchar, Silchar, Assam,	2864430
86	Chemical Science	Inorganic and Physical Chemistry	Cyclometalated Platinum-Based Triplet Emitter For OLED Applications	Dr. Marappan Velusamy, North Eastern Hill University, Shillong, Meghalaya	3504600
87	Chemical Science	Inorganic and Physical Chemistry	Eco-Friendly Synthesis Of Fluorescent Hetero-Atom Doped Carbon Dots And Its Applications In Bio-Imaging And Catalysis	Dr. Sethuraman Mg, Gandhigram Rural institute (Deemed University), Dindigul, Tamil Nadu	3206500
88	Chemical Science	Inorganic and Physical Chemistry	Synthesis Of Novel Superbase Ionic Liquids And Analysis Of Their Interactions With CO ₂ – A Thermodynamic Approach Towards Rational Design Of Efficient Absorbent For CO ₂ Capture And Regeneration	Dr. Ramesh L Gardas, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	5055600
89	Chemical Science	Inorganic and Physical Chemistry	Multifunctional Conjugated Porous Organic Polymers: Emerging Materials for Energy Storage, Photocatalysis And Light Harvesting	Dr. Abhijit Patra, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	5484600
90	Chemical Science	Inorganic and Physical Chemistry	Design and Development Of Low Cost Paper Based Printed Electrochemical And Colorimetric Sensors	Dr. Kamallesh Kumar Shrivastava, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh,	4033090
91	Chemical Science	Inorganic and Physical Chemistry	Imidazole Containing Polymers for The Selective Detection Of Fluoride Ion And Synthesis Of Boron-Complexes	Dr. Krishnan Venkatasubbaiah, National institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	5888845
92	Chemical Science	Inorganic and Physical Chemistry	Modeling Diheme Enzyme MauG: Understanding Nature's Design, Structure-Function Correlation and Application	Dr. Sankar Prasad Rath, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	7114800

93	Chemical Science	Inorganic and Physical Chemistry	Development and Demonstration Of A Prototype Catalytic Plasma Incinerator For The Removal Of Noxious Air Pollutants	Dr. Ch Subrahmanyam, Indian institute of Technology Hyderabad, Hyderabad, Telangana, 502205	5628480
94	Chemical Science	Inorganic and Physical Chemistry	Synthesis, Solution Properties And In Vitro Evaluation Of Stimuli-Responsive Polymer-Based Prodrug Systems	Dr. Dibakar Dhara, Indian institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	3899080
95	Chemical Science	Inorganic and Physical Chemistry	Synthesis And Characterization Of Magnetic Nanoparticles: As Vehicle For Drug/Gene Delivery And T1-T2 Dual Contrast Agent For Magnetic Resonance Imaging	Dr. Hemant P Soni, M S University of Baroda, Vadodara, Gujarat, 390002	2899600
96	Chemical Science	Inorganic and Physical Chemistry	Solar Light Driven Photocatalytic Decontamination Of Toxic Dyes And Hexavalent Chromium From Water Using Metal Phosphate	Dr. Vimlesh Chandra, Dr. Harisingh Gour Central University, Sagar, Madhya Pradesh, 470003	3014550
97	Chemical Science	Inorganic and Physical Chemistry	Designing An Admittance Based Experimental Tool To Evaluate Mechanical Properties And Stability Of Supported Lipid Bilayers , Liposomes, Biological Cell Membranes	Dr. Aruna Dhathathreyan, Central Leather Research institute, Chennai, Tamil Nadu, 600020	2881440
98	Chemical Science	Inorganic and Physical Chemistry	Designing Of Novel Benzothiazole Derivatives And Their Cu(II), Fe(II/III) And Al(III) Complexes: Synthesis, Structural Characterization And Biological Exploration Against Distinct Pathological Factors In Alzheimer's Disease	Dr. Thalamuthu S, National Engineering College, Thoothukudi, Tamil Nadu,	2619320
99	Chemical Science	Inorganic and Physical Chemistry	Development Of 'Pristine Graphene' As A Catalyst Support	Dr. Prem Felix Siril, Indian institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	2954600
100	Chemical Science	Inorganic and Physical Chemistry	Extraction Of Nanocellulose From Waste Paper For Production Of Biodegradable, Flexible And Cheaper Electrodes For Energy Storage Devices	Dr. Ganesh Chandra Nayak, Indian institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	3669600

101	Chemical Science	Inorganic and Physical Chemistry	Ultrafast Studies Of Conformational Changes In Photocyclization Reaction Of Diarylethenes And O-Arenes Using Femtosecond Time-Resolved Circular Dichroism	Dr. Adithya Lakshmana Yapamanu, Indian institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala,	4785000
102	Chemical Science	Inorganic and Physical Chemistry	DEVELOPMENT OF LOW ENERGY SYSTEMS FOR TREATING TEXTILE EFFLUENTS	Dr. Mohammad Zain Khan, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	3468520
103	Chemical Science	Inorganic and Physical Chemistry	Activation And Reduction Of CO ₂ , H ₂ , SO ₂ , NO ₂ , CO And N ₂ By Iron Porphyrins: In Pursuit Of A Universal Reductase	Dr. Abhishek Dey, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	27803900
104	Chemical Science	Inorganic and Physical Chemistry	Graphene Quantum Dot – Imprinted Nanopolymer Composite Based Electrodes For The Sensing Of Toxic Heavy Metals	Dr. Kala R, Cochin University, Kochi, Kerala,	2239600
105	Chemical Science	Organic Chemistry	Fluorecent molecular probe for detection of reactive oxygen species (ROS) and metal ions	Dr. Rahul Srivastava, Manipal University Jaipur, Jaipur, Rajasthan, 303007	2115520
106	Chemical Science	Organic Chemistry	Rational Design And Synthesis Of Heterocycles Based Modular Fluorescent Chemosensors For Cations/Anions	Dr. Nandhakumar Raju, Karunya University, Coimbatore, Tamil Nadu,	3420560
107	Chemical Science	Organic Chemistry	New Affordable synthesis of life saving drugs dapagliflozin and sofosbuvir using novel glycosylation methods	Dr. Debaraj Mukherjee, Indian institute of integrative Medicine Jammu, Jammu, Jammu And Kashmir,	3805056
108	Chemical Science	Organic Chemistry	New approaches towards synthesis of enigmol sphingolipids and their analogues as anti-cancer agents	Dr. Vasundhara Singh, Pec University of Technology, Chandigarh, Chandigarh,	2775520

109	Chemical Science	Organic Chemistry	Diastereo and enantio selective synthesis of oxygen nitrogen and sulfur heterocyclic compounds	Dr. Anil Kumar Saikia, Indian institute of Technology Guwahati, Guwahati, Assam, 781039	4949120
110	Chemical Science	Organic Chemistry	Development Of New Platform For A ³ -Coupling And Other Multicomponent Reactions Towards Drug-Like Molecules Using Transition Metal Catalysis	Dr. Virender Singh, Dr. B R Ambedkar National institute of Technology, Jalandhar, Punjab,	3605800
111	Chemical Science	Organic Chemistry	DOS Approach for Sesquiterpene Anti-Malaria Drugs	Dr. Laxmidhar Rout, Berhampur University, Berhampore, West Bengal, 760007	3806000
112	Chemical Science	Organic Chemistry	Developing Highly Stable AADD-Type Quadruple H-Bonding Self-Assembling Systems Devoid Of Prototropy And Investigating Their Self-Assembling Potential.	Dr. Gangadhar J Sanjayan, National Chemical Laboratory, Pune, Maharashtra, 411008	3278880
113	Chemical Science	Organic Chemistry	Design and Synthesis Of Fluorophoric Substrate For MenH: A Chemical Intervention To Pursue High Throughput Screening Of Menaquinone Biosynthesis Inhibitors	Dr. Joy Debnath, Sastra University, Thanjavur, Tamil Nadu, 613401	4879600
114	Chemical Science	Organic Chemistry	Synthesis And Therapeutic Evaluation Of New LpxC Inhibitors As Potent Anti-Bacterial Agents	Dr. Sidharth Chopra, Central Drug Research institute, Lucknow, Uttar Pradesh, 226031	1890000
115	Chemical Science	Organic Chemistry	Synthesis And Therapeutic Evaluation Of New LpxC Inhibitors As Potent Anti-Bacterial Agents	Dr. Srinivas Nanduri, National institute of Pharmaceutical Education and Research Hyderabad, Hyderabad, Telangana,	2383480

116	Chemical Science	Organic Chemistry	Mechanical Stimulation Induced Microscopic Crystalline Structure Changes In Molecular Materials: Implications On Drug Formulation And Mechanochromic Behavior	Dr. Sunil Varughes, National institute for interdisciplinary Science & Technology, Thiruvananthapuram, Kerala, 695019	3759696
117	Chemical Science	Organic Chemistry	Site-Specific Functionalization Of Nitrogen Based Heterocyclic Moieties Via C-H Activation	Dr. Utpal Bora, Tezpur University, Tezpur, Assam, 784028	4872560
118	Chemical Science	Organic Chemistry	Preparation And Characterization Of Stabilized Magnetic Nanoparticles (MNPs) Supported With Pd Complex And Catalytic Uses In C-H Activation And Asymmetric Synthesis	Dr. Amarta Kumar Pal, North Eastern Hill University, Shillong, Meghalaya,	2555300
119	Chemical Science	Organic Chemistry	Synthesis and Characterization Of Novel Chiral Boron Complexes And Their Applications In Asymmetric Diels Alder Reactions	Dr. Jyoti Agarwal, Panjab University, Chandigarh, Chandigarh, 160014	4535520
120	Chemical Science	Organic Chemistry	Chemistry and biology of maltepolides A-F and their analogs	Dr. Subash Ghosh, Indian institute of Chemical Technology, Hyderabad, Telangana, 500607	4428000
121	Chemical Science	Organic Chemistry	Development of nanoparticle reinforced multi network hydrogels with high swellability and mechanical strength using step growth networking approach	Dr. Umamprasad Ojha, Rajiv Gandhi Institute of Petroleum Technology, Rae Bareilly, Uttar Pradesh,	4219600
122	Chemical Science	Organic Chemistry	Studies on iridoid biosynthesis in <i>Catharanthus roseus</i> : Functional characterization and structure-function studies of genes involved in iridoid biosynthesis	Dr. Hirekodathakallu V Thulasiram, National Chemical Laboratory, Pune, Maharashtra, 411008	4230144
123	Chemical Science	Organic Chemistry	Development of reversible optical sensors for the recognition of toxic metal ions	Dr. Satish Kumar, St Stephen's College, University of Delhi, Delhi, Delhi,	3134452
124	Chemical Science	Organic Chemistry	Engineering Metal Organic Frameworks for the Selective Aerobic Oxidation of Hydrocarbons	Dr. Amarajothi Dhakshinamoorthy, Madurai Kamaraj University, Madurai, Tamil Nadu, 625021	4071100

125	Chemical Science	Organic Chemistry	European Geosciences Union (EGU)- General Assembly 2017	Dr. Pradeep Pukhan, Gauhati University, Guwahati, Assam, 781014	4975520
126	Chemical Science	Organic Chemistry	Catalytic Asymmetric Electrophilic Fluorination of Active Methylene Compounds via Cinchona Alkaloid Derived Chiral Phase Transfer Catalysts	Dr. Kalpataru Das, Dr. Harisingh Gour Central University, Sagar, Madhya Pradesh, 470003	4027980
127	Chemical Science	Organic Chemistry	Visible Light Induced C-C Bond Formation Using Hydrogen Atom Transfer/Proton Coupled Electron Transfer Photocatalysis	Dr. Joyram Guin, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	4573800
128	Chemical Science	Organic Chemistry	Synthesis and study of novel helically shaped molecules	Dr. Ashutosh Vasant Bedekar, M S University of Baroda, Vadodara, Gujarat, 390002	4010600
129	Chemical Science	Organic Chemistry	Peptide-based Mutual Pro-drugs for Dual Inhibition of Key Protein Components in Cancer Cell Signaling	Dr. K M Muraleedharan, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	4989600
130	Chemical Science	Organic Chemistry	Design and Synthesis of NIR and AIE-Moieties Containing Fluorescent Chemodosimeter Molecular Probes for the Detection of Biologically Important Analytes	Dr. Ajit Kumar Mahapatra, Indian institute of Engineering Science and Technology, Shibpur, Howrah, West Bengal	2837560
131	Chemical Science	Organic Chemistry	Assembly of Peptide-conjugated Rylene dyes to Construct Soft Materials for Optoelectronics	Dr. Arindam Banerjee, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	3636360

132	Chemical Science	Organic Chemistry	Synthesis, characterization and pharmacokinetic evaluation of potent integrin antagonists for the prevention and treatment of fungal infections	Dr. Diksha Katiyar, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	4211460
133	Chemical Science	Organic Chemistry	Designing and synthesis of functionalized N-heterocycles (4-quinolone and imidazopyridine) and evaluation of their biocidal properties	Dr. Sajal Das, North Bengal University, Darjiling, West Bengal,	4340160
134	Chemical Science	Organic Chemistry	Metal-mediated One-Pot Sequential (Telescoping) Reactions for the Synthesis of Multifunctional Nucleosides/Nucleotides with Promising Photo- and Biophysical Properties.	Dr. Anant Ramakant Kapdi, institute of Chemical Technology, Mumbai, Maharashtra,	5759600
135	Chemical Science	Organic Chemistry	Organocatalyzed Enantioselective Intramolecular oxa-/aza-Michael Addition as the key step for the Synthesis of Spiroketal, Aculeatins and Dihydroisoquinolines	Dr. Prasanta Ghorai, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	6089600
136	Chemical Science	Organic Chemistry	Merging Cross Dehydrogenative Coupling and Directing Group mediated C-H Activation Strategies for Construction of C-C and C-Hetero Atom Bonds and their Application in Synthesizing Biologically Active Natural Products	Dr. Kandikere Ramaiah Prabhu, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	5962000
137	Chemical Science	Organic Chemistry	Development of Novel Enyne-Assisted Annulations towards the Construction of Fused Polycyclic Alkaloids	Dr. Raji Reddy Chada, Indian institute of Chemical Technology, Hyderabad, Telangana, 500607	5835888
138	Chemical Science	Organic Chemistry	Cu-NHC Catalyzed Heterofunctionalization of Alkenes and Alkanes with CO ₂ and Nitrogen Electrophiles	Dr. Arumugam Sudalai, National Chemical Laboratory, Pune, Maharashtra, 411008	2306880
139	Chemical Science	Organic Chemistry	Synthesis of Privileged Heterocycles via Visible Light Photoredox Catalyzed Cascade Reactions	Dr. Namrata Rastogi, Central Drug Research institute, Lucknow, Uttar Pradesh, 226031	5296536

140	Chemical Science	Organic Chemistry	Development of efficient and reusable chiral catalysts for the asymmetric Fridel-Craft reaction for the synthesis of biological important molecules	Dr. Surendra Singh, University of Delhi, Delhi, Delhi, 110007	3593480
141	Chemical Science	Organic Chemistry	Molecular design directed synthesis and characterization of inexpensive, functional organic materials exhibiting technologically relevant liquid crystal phases	Dr. C Y Yelamaggad, Centre for Nano and Soft Matter Sciences, Bangalore, Karnataka, 560013	4770144
142	Chemical Science	Organic Chemistry	Light-Activated Supramolecular Ion Channels For Transmembrane Anion Transport	Dr. Pinaki Talukdar, Indian institute of Science Education and Research Pune, Pune, Maharashtra, 411008	7938480
143	Chemical Science	Organic Chemistry	Applications Of Experimental Charge Density And Crystal Structure Prediction Approaches In Multi-Component Crystal Development And For Studying Intermolecular Interactions In Protein-Ligand Complexes	Dr. Tejender Singh Thakur, Central Drug Research institute, Lucknow, Uttar Pradesh, 226031	6966000
144	Chemical Science	Organic Chemistry	Metal Catalyzed/ Metal Free Coupling/ C-H Activation Reactions: Total Synthesis Of Quinoline, Quinolone, Quinazolinone, Carbazole, Isoquinoline Based Alkaloids & Their Derivatives-Their Evaluation As Potent Anti-Malarial Agents In-Vitro And In-Vivo.	Dr. Nagarajan Rajagopal, University of Hyderabad, Hyderabad, Telangana, 500046	4242040
145	Chemical Science	Organic Chemistry	"Applications Of Hypervalent Iodine Reagents And Iodonium Ylides In Organic Synthesis"	Dr. Nandkishor Namdeo Karade, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra, 440001	2754400
146	Chemical Science	Organic Chemistry	Catalytic Activation And Direct Coupling Of Ammonia With Arenes And Alkenes By Pincer Complexes	Dr. Chidambaram Gunanahtan, National institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	4989600

147	Chemical Science	Organic Chemistry	Catalytic Approaches For The Construction Of Carbo- And Hetero-Cycles With One Or More Stereogenic Centers	Dr. Rama Krishna Peddinti, Indian institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	5902600
148	Chemical Science	Organic Chemistry	Discovery Of Novel Protocols For The Stereoselective Synthesis Of Acetogenins And Analogs	Dr. Perali Ramu Sridhar, University of Hyderabad, Hyderabad, Telangana, 500046	5848480
149	Chemical Science	Organic Chemistry	Remote Stereocontrol Through Catalytic Enantioselective Desymmetrization	Dr. Santanu Mukherjee, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	7828480
150	Chemical Science	Organic Chemistry	Controlling The Aggregation Of Dyes And Their Application In Photovoltaics And Optoelectronics	Dr. J Nithyanandhan, National Chemical Laboratory, Pune, Maharashtra, 411008	7058880
151	Chemical Science	Organic Chemistry	Enzyme-Activated Pro-Inhibitors For Histone Deacetylases (HDACs) From Amino Acid Precursors	Dr. Aasheesh Srivastava, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	7739600
152	Chemical Science	Organic Chemistry	Design Of Host-Guest Supramolecular Polymers In Aqueous Media: Adaptive Materials With Self-Healing And Stimuli-Responsive Properties	Dr. Supratim Banerjee, Indian institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	5137000
153	Chemical Science	Organic Chemistry	Enhancement Of The Immunogenicity And Protective Efficacy Of Lipopeptide Vaccine Against Mycobacterium Tuberculosis Using Peptidomimetics And Conjugation With Isoniazid	Dr. Javed Naim Agrewala, institute of Microbial Technology, Chandigarh, Chandigarh, 160036	1782000
154	Chemical Science	Organic Chemistry	Development Of Solid State Emissive Organic Materials And Their Applications	Dr. Sudip Malik, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	7112880

155	Chemical Science	Organic Chemistry	Enhancement Of The Immunogenicity And Protective Efficacy Of Lipopeptide Vaccine Against Mycobacterium Tuberculosis Using Peptidomimetics And Conjugation With Isoniazid	Dr. Rohit Kumar Sharma, Panjab University, Chandigarh, Chandigarh, 160014	4370520
156	Chemical Science	Organic Chemistry	Renewable Nano-Sized Terpenoids: Isolation, Characterization, Study Of Self-Assembly And Utilizations In Drug Entrapment, Pollutant Capture And Hybrid Materials	Dr. Braja Gopal Bag, Vidyasagar University, Midnapore, West Bengal,	4930200
157	Chemical Science	Organic Chemistry	One-Pot Synthesis Of Novel Indenophenanthridine Fluorescent Probes And Their Bio-Chemical Applications	Dr. Sivakumar Shanmugam, Madurai Kamaraj University, Madurai, Tamil Nadu, 625021	4281200
158	Chemical Science	Organic Chemistry	N-Heterocyclic Carbene-Catalyzed Oxidative Cyclization: Application To The Synthesis Of Biologically Significant Pyridine Fused Heterocycles	Dr. C Uma Maheswari, Sastra University, Thanjavur, Tamil Nadu, 613401	3394600
159	Chemical Science	Organic Chemistry	Design, Development And Understanding Of Thermally Activated Delayed Fluorescence Enabled Small Organic Molecules And Their OLEDs Applications	Dr. Neeraj Agarwal, Centre for Excellence in Basic Sciences, University of Mumbai, Mumbai, Maharashtra,	2713480
160	Chemical Science	Organic Chemistry	Synthesis And Characterization Of Novel 2-Aryl Benzothiazole/Benzoxazole, Quinoxaline And Phenanthroline Analogues As Fluorescent Probes And Cancer Theranostics Applications	Dr. Ashok Kumar S K, Vit University, Vellore, Tamil Nadu, 632014	2906200
161	Chemical Science	Organic Chemistry	Transition-Metal-Catalyzed Synthesis Of Fused Heterocycles Via C-C/C-N Bond Forming Strategies	Dr. Rajeev Sakhuja, Birla institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	3328600

162	Chemical Science	Organic Chemistry	Studies On Chemical Synthesis Of Peptidomimetics: Phosphonopeptides And Other Phosphorous-Containing Peptidomimetics, Heterocyclic Peptidomimetics, Peptidomimetics Using Multicomponent Reactions.	Dr. V V Sureshababu, Bangalore University, Bangalore, Karnataka,	5353480
163	Chemical Science	Organic Chemistry	Total Synthesis Of Dibenzo-Alpha-Pyrone Derived Bioactive Natural Products Rhizopycnolide A, And B And Their Analogues	Dr. Nagavelli Vasudev Reddy, Kakatiya University, Hyderabad, Telangana,	4414520
164	Chemical Science	Organic Chemistry	Design, Synthesis And Insilico/Invitro Studies Of Cladosporin Derivatives As Potent Antimalarial Agents	Dr. Srinivasarao Yaragorla, University of Hyderabad, Hyderabad, Telangana, 500046	2624600
165	Chemical Science	Organic Chemistry	Design, Synthesis And Insilico/Invitro Studies Of Cladosporin Derivatives As Potent Antimalarial Agents	Dr. Amit Sharma, international Centre for Genetic Engineering and Biotechnology(Icgeb), New Delhi, Delhi,	486000
166	Chemical Science	Organic Chemistry	Design, Synthesis And Insilico/Invitro Studies Of Cladosporin Derivatives As Potent Antimalarial Agents	Dr. Tarun Kumar Bhatt, Central University of Rajasthan, Kishangarh, Rajasthan, 305801	1595000
167	Chemical Science	Organic Chemistry	“Janus” PNAs As Innovative Programmable And Functional Supramolecules For Multifaceted Chemical Biology Applications	Dr. K N Ganesh, Indian institute of Science Education and Research Pune, Pune, Maharashtra, 411008	8360000
168	Chemical Science	Organic Chemistry	Bile Acid Containing Amino Acid Based Cationic Polymeric Architectures For Enhanced Actin Polymerization	Dr. Priyadarsi De, Indian institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	5719560
169	Chemical Science	Organic Chemistry	Design And Development Of Self-Aggregated Fluorescent Organic Nanoparticles: Prospects In Biochemical Process To Theranostic Applications	Dr. Prasanta K Das, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	6588000

170	Chemical Science	Organic Chemistry	“New Strategies Toward The Total Syntheses Of (-)-Dendrobine, Ingenol Mebutate, Cortistatin A, (+)-Muamvatin And (-)-Dolabriferol”	Dr. Krishna P Kaliappan, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	6948480
171	Chemical Science	Organic Chemistry	Employing Arynes In Multicomponent Coupling And Insertion Reactions For The Rapid Construction Of Heterocycles	Dr. Akkattu T Biju, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	3092100
172	Chemical Science	Organic Chemistry	Dynamic Combinatorial Chemistry: Accessing Complex Topologies And New Receptors	Dr. Vijay Luxami, Thapar institute of Engineering & Technology, Patiala, Punjab,	5494060
173	Combustion	Engineering Science	Conversion Of Waste Plastic Into Value Added Products	Dr. Mrityunjoy Mahato, North Eastern Hill University, Shillong, Meghalaya,	754600
174	Combustion	Engineering Science	Experimental And Numerical Investigation Of Doublet Jet-On-Jet Impinging Atomizer	Dr. Raja Banerjee, Indian institute of Technology Hyderabad, Hyderabad, Telangana, 502205	2418680
175	Combustion	Engineering Science	High-Fidelity Numerical Simulation Of A Model Scramjet Combustor And Detailed Comparison With In-Flow Measurements At NCCRD	Dr. Krishnendu Sinha, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	1371700
176	Combustion	Engineering Science	Development Of Engine Controller And Combustion Chamber For Multi-Fuel Gas Operated Spark Ignition Engine	Dr. E Porpatham, Vit University, Vellore, Tamil Nadu, 632014	2398620
177	Combustion	Engineering Science	Characterization Of A Novel Injector Configuration For Spray And Combustion Diagnostics In Supersonic Flow Environments	Dr. Venkat S Iyenger, National Aerospace Laboratories, Bangalore, Karnataka, 560037	4303800
178	Combustion	Engineering Science	DEVELOPMENT AND THERMAL ANALYSIS OF NON-AZIDE GAS GENERATING COMPOSITIONS FOR AUTOMOTIVE AIRBAG SYSTEMS	Dr. S P Sivapirakasam, National institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	1706650

179	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Study On The Reflectance And Thermal Emission Spectral Characteristics Of Orthopyroxene Bearing Granitic Rocks For Terrestrial And Planetary Remote Sensing.	Dr. Archana M Nair, Indian institute of Technology Guwahati, Guwahati, Assam, 781039	6081000
180	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Geospatial Analysis And Mapping Of Groundwater Fluoride Contamination In Jammu Province With Emphasis On Its Vulnerability And Remediation	Dr. Deepika Slathia, University of Jammu, Jammu, Jammu And Kashmir, 180006	2479200
181	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Characterizing And Modelling The Impact Of Soil Moisture Heterogeneity On Convective Processes Over The Indian Subcontinent	Dr.Madhusoodanan M.S, Amrita Vishwa Vidyapeetham University Kollam, Kollam, Kerala,	3606400
182	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Possible Hadean To Archaean Crustal Evolution In The Singhbhum Craton: An Investigation Into The Detrital Zircon Archive	Dr. Sukanta Dey, Indian institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	4100200
183	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Chemical Characterization And Source Apportionment Of Ambient submicron Particles	Dr. Kandikonda Maharaj Kumari, Dayal Bagh Educational institute, Agra, Uttar Pradesh, 282002	2918200
184	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Investigation Of The Complete Pathway Of Chromium From Tannery Effluent To Soil In Different Particle Sizes And Their Probable Mitigation Through Phytoremediation.	Dr. Bhaskar Das, Vit University, Vellore, Tamil Nadu, 632014	3906600
185	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Modeling Runoff Variability And Predicted Runoff Condition Of A Semi-Gauged River Basin Of Tropical India As A Response To Climate Change And Transformed Landuse Landcover (LULC)	Dr. Shreyanshi Mitra, Haldia institute of Technology, Haldia, West Bengal, 721657	3713600
186	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Hyperspectral and multispectral approaches for the delineation and characterisation of coastal dune ecosystem and its habitats in certain parts of Tamil Nadu	Dr. Aparna S Bhaskar, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	3042400

187	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Investigating Causes Of Differential Crustal Attenuation In The Garhwal And The Kumaon Himalaya	Dr. Anand Joshi, Indian institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	2793200
188	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Investigation On The Role Of Cloud Water In Tropical Forests Using Isotope Technique	Dr. Resmi T R, Centre for Water Resources Development and Management, Kozikode, Kerala,	3050600
189	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Implication Of Data Assimilation For Identifying Short Scale Variations In Various Biogeochemical Characteristics In The Bay Of Bengal Through Regional Ocean Model Simulations	Dr. Tarumay Ghoshal, D I T University, Dehradun, Uttarakhand,	1556000
190	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Conjunctive Use Of Surface Water And Groundwater Management: A New Framework For Strategic Decision Making	Dr. Ramesh H, National institute of Technology Karnataka, Surthakal, Karnataka, 575025	3033200
191	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Evolution Of The Madras Block, Southern India: A Re-Investigation On India-Antarctica Correlation.	Dr. Sajeew Krishnan, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	6677800
192	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Estimation Of The Source Parameters And Scaling Relations For Moderate Size Earthquakes In National Capital (Delhi) Region	Dr. Manisha Sandhu, Kurukshetra University, Kurukshetra, Haryana, 136119	2309600
193	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Organic Petrological And Geochemical Characterization Of The Permian Coal Deposits, Hasdo- Arand Coalfields, Chhatisgarh, India.	Dr. Amiya Shankar Naik, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	7142200
194	Earth & Atmospheric Sciences	Earth and Atmospheric Sciences	Bias-Corrected High Resolution Future Projections Of The Distribution Of Rainfall Over Peninsular India In Response To Warming Climate	Dr. Abhilash S, Cochin University of Science and Technology, Kochi, Kerala,	3051000
195	Engineering Sciences	Chemical & Environmental Engineering	Tuning Oscillatory Chemical Reactions Using Metal Nanoparticle Graphene Composites	Dr. Pratyush Dayal, Indian institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	4574696

196	Engineering Sciences	Chemical & Environmental Engineering	To Study The Effect Of Substrate Rheology On Cell Behaviour	Dr. Abhijit Majumdar, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	2630880
197	Engineering Sciences	Chemical & Environmental Engineering	Downstream Processing Of Erythromycin Using A New Phase Separation Method	Dr. Pradip Babanrao Dhamole, Visvesvaraya National institute of Technology, Nagpur, Maharashtra, 440010	2413748
198	Engineering Sciences	Chemical & Environmental Engineering	Production Of Branched Chain Fatty Acid Enriched Lipid As A Source Of Biolubricant Base Oil	Dr. Bijan Choudhury, Indian institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	4359217
199	Engineering Sciences	Chemical & Environmental Engineering	Deciphering Evolution Of Antibiotic Resistance In Mycobacteria Using A Systems Approach.	Dr. Sarika Mehra, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	5562183
200	Engineering Sciences	Chemical & Environmental Engineering	Nanostructured Metallic Thin Films (NMTF) For Sensing And Energy Conversion	Dr. Venugopal Santhanam, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	4965250
201	Engineering Sciences	Chemical & Environmental Engineering	High Hydrostatic Pressure Induced Cold Extraction And Encapsulation Of Bioactive Components Into Reconstituted Aloe Vera Hydrogel	Dr. Pavuluri Srinivasa Rao, Indian institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	4662419
202	Engineering Sciences	Chemical & Environmental Engineering	Development Of A New Shape-Stable Phase Change Material For Heat Transfer Intensification In Latent Heat Thermal Energy Storage System	Dr. Rajan Ks, Sastra University, Thanjavur, Tamil Nadu, 613401	5713050
203	Engineering Sciences	Chemical & Environmental Engineering	Flow Of Complex Fluids In Constricted And Parallel Microchannels	Dr. Arnab Atta, Indian institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	3135220
204	Engineering Sciences	Chemical & Environmental Engineering	Automatic Paper Machines For Ultra-Sensitive Point-Of-Care Immunoassays	Dr. Bhushan Singh Toley, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	4773700

205	Engineering Sciences	Chemical & Environmental Engineering	Metal-Organic Frameworks For Solar Rechargeable Battery	Dr. Arvindkumar Chandiran, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	6588000
206	Engineering Sciences	Chemical & Environmental Engineering	Molecular Separation Membranes Via Controlled Moulding Of Polymer Nanofilms At The Liquid-Liquid Interface	Dr. Santanu Karan, Central Salt & Marine Chemicals Research institute, Bhavnagar, Gujarat,	3640600
207	Engineering Sciences	Chemical & Environmental Engineering	Development Of Efficient Vanadium Redox Flow Battery (VRFB) Using Assisted Inner-Sphere Electron Transfer And Higher State-Of-Charge Management	Dr. Anil Verma, Indian institute of Technology Delhi, New Delhi, Delhi, 110016	4611600
208	Engineering Sciences	Chemical & Environmental Engineering	Development Of Novel Perovskite Materials As A Suitable Candidate For Soot Oxidation	Dr. Harshini Dasari, Manipal University, Manipal, Karnataka, 576104	4218371
209	Engineering Sciences	Chemical & Environmental Engineering	Development Of Novel Perovskite Materials As A Suitable Candidate For Soot Oxidation	Dr. Nitin Kumar Labhsetwar, National Environmental Engineering Research institute, Nagpur, Maharashtra, 440020	2371680
210	Engineering Sciences	Chemical & Environmental Engineering	Development Of Suitable Material For Visible Light Induced Photocatalytic Hydrogen Production From Industrial Wastewater	Dr. Saroj Sundar Baral, Birla institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	3583000
211	Engineering Sciences	Chemical & Environmental Engineering	Development Of Suitable Material For Visible Light Induced Photocatalytic Hydrogen Production From Industrial Wastewater	Dr. Priyabrat Mohapatra, C V Raman College of Engineering, Bhubaneswar, Orissa,	1749000
212	Engineering Sciences	Chemical & Environmental Engineering	Low-Cost, Nano-Intermetallic / Alloy Catalysts As Promising Alternative To Expensive Platinum Catalyst For Fuel Cells	Dr. G Saravanan, National Environmental Engineering Research institute, Nagpur, Maharashtra, 440020	5114780
213	Engineering Sciences	Chemical & Environmental Engineering	Electroosmotic Pump Based Insulin Pump For Diabetes Management	Dr. Rajaram K Nagarale, Central Salt & Marine Chemicals Research institute, Bhavnagar, Gujarat,	5153760

214	Engineering Sciences	Chemical & Environmental Engineering	Nanohybrids For Hydrogen Storage	Dr. Anandh Subramaniam, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	5478836
215	Engineering Sciences	Chemical & Environmental Engineering	ENGINEERING ASPECTS OF METHANOL AND CARBON-DI-OXIDE CONVERSION TO DIMETHYL CARBONATE	Dr. Vimal Chandra Srivastava, Indian institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	5191711
216	Engineering Sciences	Chemical & Environmental Engineering	Development Of A Pulsed Flow Packed Bed Electrochemical Reactor For Heavy Metals Removal From Groundwater And Wastewater	Dr. Murali Rangarajan, Amrita Vishwa Vidyapeetham University Coimbatore, Coimbatore, Tamil Nadu,	3724571
217	Engineering Sciences	Chemical & Environmental Engineering	Electroreduction Of Carbon Dioxide To Ethanol Using Nanostructured Copper-Based Electrocatalysts	Dr. Haripada Bhunia, Thapar institute of Engineering & Technology, Patiala, Punjab,	3961030
218	Engineering Sciences	Chemical & Environmental Engineering	Identification And Validation Of Potential Drug Targets For Infectious Diseases Using In Silico And Wet Lab Methods	Dr. Susan Thomas, National institute for Research in Reproductive Health, Mumbai, Maharashtra,	3538080
219	Engineering Sciences	Chemical & Environmental Engineering	Development Of Nanoporous Geopolymeric Catalysts For Industrially Relevant Liquid-Phase Reactions	Dr. Sudhanshu Sharma, Indian institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	3602244
220	Engineering Sciences	Chemical & Environmental Engineering	Development Of Nanoporous Geopolymeric Catalysts For Industrially Relevant Liquid-Phase Reactions	Dr. Parag Arvind Deshpande, Indian institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	2468880
221	Engineering Sciences	Chemical & Environmental Engineering	Process Development For Production Of Janus Nanoparticles For Selected Catalytic Reactions	Dr. Shirish H Sonawane, National institute of Technology Warangal, Warangal, Telangana,	2087640
222	Engineering Sciences	Chemical & Environmental Engineering	Development Of Low Cost Oxidation Catalysts For Diesel Exhaust Emission Control.	Dr. Nitin Kumar Labhsetwar, National Environmental Engineering Research institute, Nagpur, Maharashtra, 440020	3073680

223	Engineering Sciences	Chemical & Environmental Engineering	Mechanistic Understanding Of Silk Fibroin - Sphorolipid Hydrogels And Their Applications In Bioengineering	Dr. Anuya Nisal, National Chemical Laboratory, Pune, Maharashtra, 411008	3423332
224	Engineering Sciences	Chemical & Environmental Engineering	Reactive Transport Modeling And Simulation Of CO ₂ Sequestration In Deccan Volcanic Province.	Dr. Vikranth Kumar Surasani, Birla institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana, 500078	2173600
225	Engineering Sciences	Chemical & Environmental Engineering	Analyzing The Implications Of Competition In Biological Systems	Dr. Chetan Jayant Gadgil, National Chemical Laboratory, Pune, Maharashtra, 411008	2168640
226	Engineering Sciences	Chemical & Environmental Engineering	An Ultrasensitive Detection Of Anandamide, A Neurotransmitter, Through Molecularly Imprinted Polymer Modified Glassy Carbon Electrode	Dr. Nidhi Chauhan, Amity University Noida, Noida, Uttar Pradesh,	3239866
227	Engineering Sciences	Chemical & Environmental Engineering	Climbing With Support: Scaling Volcano In Electrocatalytic Oxygen-Evolution, Chlorine-Evolution And CO ₂ Reduction Reactions	Dr. Raj Ganesh Pala, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	7873200
228	Engineering Sciences	Civil and Mechanical Engineering	Emulsification - A Promising Approach for Utilizing Biodiesel Fuels in Automotive Engines	Dr. Anand Krishnasamy, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	6529600
229	Engineering Sciences	Civil and Mechanical Engineering	Development of high throughput solar distillation unit suitable for production of potable water from seawater in households of coastal regions and islands	Dr. Subarna Maiti, Central Salt & Marine Chemicals Research institute, Bhavnagar, Gujarat,	3492720
230	Engineering Sciences	Civil and Mechanical Engineering	Optimal Coverage Control With Mobile Robots	Dr. Sukumar Srikant, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	2724480
231	Engineering Sciences	Civil and Mechanical Engineering	Study Of Slurry Erosion Behavior Of High Entropy Alloy Coatings	Dr. Jyoti V Menghani, Sardar Vallabhbai National institute of Technology, Surat, Gujarat,	2772000

232	Engineering Sciences	Civil and Mechanical Engineering	Direct Numerical Simulation (DNS) And Large-Eddy Simulation (LES) Of Compressible Turbulent Flow In Nozzles And Diffusers	Dr. Somnath Ghosh, Indian institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	4824600
233	Engineering Sciences	Civil and Mechanical Engineering	BEHAVIOUR OF EXTERNAL BEAM- COLUMN JOINT RETROFITTED USING CONFINED UHP-HFRC	Dr. Gurbir Kaur, Thapar institute of Engineering & Technology, Patiala, Punjab	8747200
234	Engineering Sciences	Civil and Mechanical Engineering	Design And Development Of NiTi Shape Memory Alloy Bi-Morph Drive For Waste Thermal Heat Energy Recovering System	Dr. Palani Ai, Indian institute of Technology indore, Indore, Madhya Pradesh, 452011	4205520
235	Engineering Sciences	Civil and Mechanical Engineering	Estimation Of Thermal Boundary Conditions For A Cylindrical Tube Heat Exchanger Using Efficient Inverse Heat Transfer Techniques	Dr. Ajit Kumar Parwani, institute of infrastructure Technology Research and Management, Ahmedabad, Gujarat,	2003980
236	Engineering Sciences	Civil and Mechanical Engineering	Detection Of Partial Blockage In A Pipeline	Dr. Pranab Kumar Mohapatra, Indian institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	2184600
237	Engineering Sciences	Civil and Mechanical Engineering	Understanding Thermophoretic Motion Of Nanoscale Liquid Droplets Of Water And Ionic Liquids In Confined And Unconfined Conditions.	Dr. Sarith P Sathian, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	3972100
238	Engineering Sciences	Civil and Mechanical Engineering	Development Of Experimental Research Facility To Improve The Performance Of Cold Storage	Dr. Kashi Ram Aharwal, Maulana Azad National institute of Technology, Bhopal, Madhya Pradesh, 462051	1930775
239	Engineering Sciences	Civil and Mechanical Engineering	Hydraulic Model Study Of Flow Dynamics And Bed Morphology Evolution Of The Gumti River Of Tripura At The Pitra-Gang Confluence	Dr. Sushant Kumar Biswal, National institute of Technology Agartala, Agartalla, Tripura,	3142700

240	Engineering Sciences	Civil and Mechanical Engineering	Development Of Microwave Processed Cavitation Erosion Resistant Cladding	Dr. Dheeraj Gupta, Thapar institute of Engineering & Technology, Patiala, Punjab,	1716000
241	Engineering Sciences	Civil and Mechanical Engineering	Nonlinear Dynamic Analysis Of Functionally Graded Carbon Nanotubes Reinforced Composite Laminates Using Refined Shear Deformation Theory	Dr. Ajay Kumar, National institute of Technology Patna, Patna, Bihar, 800005	770000
242	Engineering Sciences	Civil and Mechanical Engineering	Improved Design Perspective For Violent Wave Impacts During Extreme Natural Disaster Events (IDWavImp)	Dr. Sriram V, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	4327400
243	Engineering Sciences	Civil and Mechanical Engineering	Acoustic Emission Based Online Wireless Wear Monitoring System	Dr. Phani Kumar Mallisetty, Central Mechanical Engineering Research institute, Durgapur, West Bengal, 713209	2339794
244	Engineering Sciences	Civil and Mechanical Engineering	Fabrication Of Silicon Nitride Ceramics And Its Grinding Performance Improvement	Dr. Arvindan S, Indian institute of Technology Delhi, New Delhi, Delhi, 110016	3655520
245	Engineering Sciences	Civil and Mechanical Engineering	Investigations On A Novel Stacked Minichannel Heat Sink Using Efficient Coolants	Dr. Hemantkumar Bhupendrabhai Mehta, Sardar Vallabhbhai National institute of Technology, Surat, Gujarat,	2447500
246	Engineering Sciences	Civil and Mechanical Engineering	Droplet Deposition On A Solid Surface: Towards Engineering Dewetted Surfaces, Improving Interfacial Heat Transfer And Controlling Colloidal Deposits	Dr. Rajneesh Bhardwaj, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	5325100
247	Engineering Sciences	Civil and Mechanical Engineering	Mathematical Modeling Of A Common-Rail Direct-Injection Diesel Engine And Its Aftertreatment For BS-VI Emission Norms	Dr. Mayank Mittal, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	2057000
248	Engineering Sciences	Civil and Mechanical Engineering	“Design And Development Of Solar Assisted Solid Desiccant Air Conditioning System For India”	Dr. Avadhesh Yadav, National institute of Technology Kurukshetra, Kurukshetra, Haryana,	2267375

249	Engineering Sciences	Civil and Mechanical Engineering	Development Of Cutting Tool Inserts Superimposed With WS ₂ Based Nano-Composite Solid Lubricant Coatings For Dry Machining Of Ti-6Al-4V Alloys	Dr. Geetha Priyadarshini Badhirappan, P S G institute of Advanced Studies, Coimbatore, Tamil Nadu,	4645520
250	Engineering Sciences	Civil and Mechanical Engineering	Fabrication And Finishing Of Micro-Channels For Micro-Heat Exchangers & Micro-Reactors	Dr. Harlal Singh Mali, Malviya National institute of Technology, Jaipur, Rajasthan,	4227520
251	Engineering Sciences	Civil and Mechanical Engineering	Development and Testing Of Hybrid Solar Photovoltaic Thermal (PVT) Air System For The Composite Environment Of North-East India For Tea Drying Applications.	Dr. Biplab Das, National institute of Technology Silchar, Silchar, Assam,	3002560
252	Engineering Sciences	Civil and Mechanical Engineering	Design and Development Of Novel Two And Three Dimensional Oscillating Heat Pipes With Connected Headers For Space Applications	Dr. Manoj Kumar Moharana, National institute of Technology Rourkela, Rourkela, Orissa, 769008	2883100
253	Engineering Sciences	Civil and Mechanical Engineering	Mapping Saturated Hydraulic Conductivity And Water Retention Relationship Of Gambhar Watershed (Himachal Pradesh)	Dr. Kamal Kumar, Pec University of Technology, Chandigarh, Chandigarh,	2270716
254	Engineering Sciences	Civil and Mechanical Engineering	Contact Mechanics Of Soft And Thin Adhesive Structures	Dr. Sovan Das, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	4644239
255	Engineering Sciences	Civil and Mechanical Engineering	Study On Impact Of Bio-Aerosols, Particulate Based Organics And Metals On The Health Of Exposed Population Residing At A Major Site Within The Indo-Gangetic Plain	Dr. Tarun Gupta, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	4004000

256	Engineering Sciences	Civil and Mechanical Engineering	Experimental Investigations And Modelling Of Ultrasonic Jet Electrodeposition And Machining For Micro Part Fabrication	Dr. Mridul Singh Rajput, National institute of Technology Raipur, Raipur, Chhattisgarh, 492010	3105093
257	Engineering Sciences	Civil and Mechanical Engineering	Effect Of Bi-Scaled Surface Roughness On The Transition Of A Separated Boundary Layer Over A Semi-Circular Leading-Edge Flat Plate: An Experimental Investigation	Dr. Anand Kaliyaraju, Sastra University, Thanjavur, Tamil Nadu, 613401	3112560
258	Engineering Sciences	Civil and Mechanical Engineering	Design And Development Of A Three-Link Rigid-Flexible Manipulator For High Speed Operations.	Dr. Ashish Singla, Thapar institute of Engineering & Technology, Patiala, Punjab,	4530680
259	Engineering Sciences	Civil and Mechanical Engineering	Design and Development Of A Three-Link Rigid-Flexible Manipulator For High Speed Operations.	Dr. Subir Kumar Saha, Indian institute of Technology Delhi, New Delhi, Delhi, 110016	1881440
260	Engineering Sciences	Civil and Mechanical Engineering	Design and Development Of Low Cost Micro Electro-Chemical Discharge Machining (M-ECDM) For Non Conductive Materials	Dr. Sarbjit Singh, Pec University of Technology, Chandigarh, Chandigarh,	1021475
261	Engineering Sciences	Civil and Mechanical Engineering	ANALYSIS OF HIGH TEMPERATURE FORMABILITY OF TITANIUM ALLOYS UNDER OPTIMIZED TRIBOLOGICAL CONDITION AT ELEVATED TEMPERATURE FOR AERONAUTICAL PRODUCTS APPLICATION	Dr. Anoopkumar Shukla, St Martin's Engineering College, Secunderabad, Telangana, 500014	2146100
262	Engineering Sciences	Electrical, Electronics & Computer Engineering	Knowledge-Rich Deep Models For Optimization	Dr. Ashwin Srinivasan, Birla institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	2250290
263	Engineering Sciences	Electrical, Electronics & Computer Engineering	Efficacy of simultaneous application of bilateral transcranial current stimulation (tDSC) along with Therapist Assisted sensori-motor training (TASTT) on paretic hand in subacute stroke Patients	Dr. Narkesh Arumugam, Punjabi University, Patiala, Punjab, 147002	1549680

264	Engineering Sciences	Electrical, Electronics & Computer Engineering	Medical Thermography and gas discharge visualization a diagnostic approach for type 2 diabetes based on non contact infrared thermal imaging and electro photonic imaging a multicentric study	Dr. Sushil Kumar Gupta, Sanjay Gandhi Post Graduate institute of Medical Sciences, Lucknow, Uttar Pradesh,	8784644
265	Engineering Sciences	Electrical, Electronics & Computer Engineering	Workshop On Challenges And Opportunities In Data Analytics And Its Applications	Dr. Harleen Kaur, Jamia Hamdard, New Delhi, Delhi,	500000
266	Engineering Sciences	Electrical, Electronics & Computer Engineering	Exploration on computational for polynomials related to arithmetic circuit complexity	Dr. Raghavendra Rao Bv, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	2184944
267	Engineering Sciences	Electrical, Electronics & Computer Engineering	Adaptive MPPT of Gird-tied photovoltaic system using magnetically coupled impedance source Inverters	Dr. Debashisha Jena, National institute of Technology Karnataka, Surthakal, Karnataka, 575025	2436795
268	Engineering Sciences	Electrical, Electronics & Computer Engineering	Design and Development of Digital Protection for power tranformer	Dr. Nilesh Gordhanbhai Chothani, A D Patel institute of Technology, Anand, Gujarat,	2386585
269	Engineering Sciences	Electrical, Electronics & Computer Engineering	Multi Lingual Analytics For Camera based handheld devices	Dr. Ram Sarkar, Jadavpur University, Kolkata, West Bengal, 700032	2596440
270	Engineering Sciences	Electrical, Electronics & Computer Engineering	Condition Assessment Of High Voltage Insulation In Dry Type Equipment Using Modified Dielectric Response Analysis	Dr. Biswendu Chatterjee, Jadavpur University, Kolkata, West Bengal, 700032	3861738
271	Engineering Sciences	Electrical, Electronics & Computer Engineering	Development Of Low Voltage, High Sensitivity Organic Photosensitive Transistors For Near Infrared Light Sensors"	Dr. Vipul Singh, Indian institute of Technology indore, Indore, Madhya Pradesh, 452011	4909520
272	Engineering Sciences	Electrical, Electronics & Computer Engineering	Development Of A High Efficiency Single Phase Quasi-Z-Source Based Isolated DC/AC Converter For PV Applications	Dr. Kirubakaran Annamali, National institute of Technology Warangal, Warangal, Telangana,	3337321

273	Engineering Sciences	Electrical, Electronics & Computer Engineering	Visible Light Communication Test Bed For Indoor Applications	Dr. Mani Venkata Vakamulla, National institute of Technology Warangal, Warangal, Telangana,	2555520
274	Engineering Sciences	Electrical, Electronics & Computer Engineering	Design and Development of cascaded quasi Z Source multilevel inverter for grid connected photovoltaic system	Dr. Somasekhar Tirumala Veeramraju, National institute of Technology Warangal, Warangal, Telangana,	4109902
275	Engineering Sciences	Electrical, Electronics & Computer Engineering	Human-Driven Full-Size 4WS4WD Electric Vehicle	Dr. Ramprasad Potluri, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	6384825
276	Engineering Sciences	Electrical, Electronics & Computer Engineering	Multiphase (Six Phase) Matrix Converter for Traction	Dr. Mohan Vithalrao Aware, Visvesvaraya National institute of Technology, Nagpur, Maharashtra, 440010	4223633
277	Engineering Sciences	Electrical, Electronics & Computer Engineering	Development of Integrable, Electronically tunable Fractional-order Capacitance (Fractance) and its applications	Dr. Farooq Ahmad Khanday, University of Kashmir, Srinagar, Jammu And Kashmir, 190006	5394928
278	Engineering Sciences	Electrical, Electronics & Computer Engineering	Low dissipative positivity preserving grid-free solver for Euler equation	Dr. Souren Misra, National institute of Science and Technology, Ganjam, Orissa, 761008	1105060
279	Engineering Sciences	Electrical, Electronics & Computer Engineering	Investigations on Multi-level Converter Interfaced Bi-Polar DC Micro-grids with Adaptive Centralized Energy Management System	Dr. Srinivasan Rao Sandepudi, National institute of Technology Warangal, Warangal, Telangana,	5480420
280	Engineering Sciences	Electrical, Electronics & Computer Engineering	Minimum Phase HRTF Modeling using FBS Interpolation in Spherical Harmonic Domain for Spatial Audio Systems	Dr. Rajesh M Hegde, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	3432000
281	Engineering Sciences	Electrical, Electronics & Computer Engineering	Performance evaluation of visual therapy method used for cerebral palsy rehabilitation	Dr. Arokia Renjit J, Jeppiaar Engineering College Chennai, Chennai, Tamil Nadu, 600119	881414

282	Engineering Sciences	Electrical, Electronics & Computer Engineering	Investigation of Dielectric Properties towards Assessment of Cross-linked Polyethylene (XLPE) Cable Insulation using Dielectric Response Analysis	Dr. Supriyo Das, National institute of Technology Meghalaya, Shillong, Meghalaya,	3240072
283	Engineering Sciences	Electrical, Electronics & Computer Engineering	Stochastic Optimization Algorithms for 5G Communication Networks	Dr. Ketan Rajawat, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	3539580
284	Engineering Sciences	Electrical, Electronics & Computer Engineering	An Early Warning System for Electrical Power System Utility using Ultra-High Frequency Sensors	Dr. Chiranjib Koley, National institute of Technology Durgapur, Durgapur, West Bengal, 713209	3863420
285	Engineering Sciences	Electrical, Electronics & Computer Engineering	Advanced Adaptive Filtering for Estimation and Tracking of Sparse Signals and Systems	Dr. Mrityunjay Chakraborty, Indian institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	2249500
286	Engineering Sciences	Electrical, Electronics & Computer Engineering	Highly-compact very large mode-area hybrid multi-trench optical fiber for high-power industrial lasing applications	Dr. G Thavasi Raja, National institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	2089120
287	Engineering Sciences	Electrical, Electronics & Computer Engineering	Development of full-field polarisation -sensitive optical coherence tomography for soft biological tissue	Dr. Vishal Srivastava, Thapar institute of Engineering & Technology, Patiala, Punjab,	3592160
288	Engineering Sciences	Electrical, Electronics & Computer Engineering	Automatic Multilingual Speaker Profiling And Forensics	Dr. Deepu Vijayasenani, National institute of Technology Karnataka, Surthakal, Karnataka, 575025	4994000
289	Engineering Sciences	Electrical, Electronics & Computer Engineering	Resistive Random Access Memory Using HfO ₂ Based Hetero-Structures For Flexible Electronics	Dr. Rajat Mahapatra, National institute of Technology Durgapur, Durgapur, West Bengal, 713209	4596307
290	Engineering Sciences	Electrical, Electronics & Computer Engineering	Compiling PolyMage Domain-Specific Language For Emerging Parallel Architectures	Dr. Uday Kumar Reddy, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	7978960

291	Engineering Sciences	Electrical, Electronics & Computer Engineering	Minimal Residual Disease Estimation In Multiple Myeloma Using Image Processing: Design And Development Of Myelomaimager - An Automated Computer Assisted Tool	Dr. Anubha Gupta, indraprastha institute of information Technology Delhi, New Delhi, Delhi,	4312038
292	Engineering Sciences	Electrical, Electronics & Computer Engineering	Random Access And Re-Transmission Protocols For Massive MIMO Systems	Dr. Saif Khan Mohammed, Indian institute of Technology Delhi, New Delhi, Delhi, 110016	3171960
293	Engineering Sciences	Electrical, Electronics & Computer Engineering	Characterization And Identification Of Dialects In The Kannada Language	Dr. Shashidhar Gadigeppa Koolagudi, National institute of Technology Karnataka, Surthakal, Karnataka, 575025	3791040
294	Engineering Sciences	Electrical, Electronics & Computer Engineering	Development Of Novel Robust Speech Bandwidth Extension Algorithms For High-Definition Telephony	Dr. T Kishore Kumar, National institute of Technology Warangal, Warangal, Telangana,	2335520
295	Engineering Sciences	Electrical, Electronics & Computer Engineering	CARTRAC: CollAboRative TRusted Anonymous Communication In Vehicular Networks	Dr. Arunraj Kumar Parthiban, National institute of Technology Puducherry, Karaikal, Puducherry,	4476560
296	Engineering Sciences	Electrical, Electronics & Computer Engineering	Evaluation Of The Role Of Vitamin D In Obesity, Cardiovascular Disease And Diabetes Using SiOx/TiO ₂ Nanowire Based Sensor.	Dr. Aniruddha Mondal, National institute of Technology Durgapur, Durgapur, West Bengal, 713209	4864174
297	Engineering Sciences	Electrical, Electronics & Computer Engineering	Design Of Software Defined Control Plane For Optical Burst Switched (OBS) Wavelength Division Multiplexing Networks.	Dr. Ashok Kumar Trunk, National institute of Technology Rourkela, Rourkela, Orissa, 769008	2606344
298	Engineering Sciences	Electrical, Electronics & Computer Engineering	Energy-Delay Tradeoffs In Distributed Wireless Networks	Dr. Sibiraj B Pillai, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	2356530

299	Engineering Sciences	Electrical, Electronics & Computer Engineering	Graphene Based Transduction Scheme For Nanoelectromechanical System	Dr. Akshay Naik, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	6526960
300	Engineering Sciences	Electrical, Electronics & Computer Engineering	Design And Development Of Tunable Film Bulk Acoustic Wave Resonators (FBAR) And Filters.	Dr. Jitendra Singh, Central Electronics Engineering Research institute Pilani, Pilani, Rajasthan,	5836879
301	Engineering Sciences	Electrical, Electronics & Computer Engineering	Design, Fabrication, And Characterization Of Nanoparticle-Based Photonic Elements	Dr. Shilpi Gupta, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	7703553
302	Engineering Sciences	Electrical, Electronics & Computer Engineering	Development Of ZnO-Based Heterostructures For HEMT Applications (REVISED)	Dr. Shaibal Mukherjee, Indian institute of Technology indore, Indore, Madhya Pradesh, 452011	6758620
303	Engineering Sciences	Electrical, Electronics & Computer Engineering	Investigation Of Transition Metal Dichalcogenides Based Thin Film Transistors For Ultra Sensitive Nanomechanical Bio/Chemical Sensor	Dr. Seena V, Indian institute of Space Science and Technology, Thiruvananthapuram, Kerala, 695547	7923520
304	Engineering Sciences	Electrical, Electronics & Computer Engineering	Medical Thermography And Gas Discharge Visualization Technique: A Diagnostic Approach For Type 2 Diabetes Based On Non-Contact Infrared Thermal Imaging And Electro-Photonic Imaging: Multicentric Study	Dr. Hemant Bhargav, National institute of Mental Health and Neuro Sciences, Bangalore, Karnataka, 560029	8749781
305	Engineering Sciences	Electrical, Electronics & Computer Engineering	Design And Implementation Of Single Phase Microgrid Using Renewable Energy Sources	Dr. Ujjwal Kumar Kalla, Government Engineering College Bikaner, Bikaner, Rajasthan,	6299590
306	Engineering Sciences	Electrical, Electronics & Computer Engineering	Design And Implementation Of Parallel Algorithms And Associated Systems For Dynamic Graphs	Dr. Kishore Kothapalli, international institute of information Technology Hyderabad, Hyderabad, Telangana,	3394600
307	Engineering Sciences	Electrical, Electronics & Computer Engineering	Spin Hall Effect In 2D Materials	Dr. Ashwin A Tulapurkar, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	8250000

308	Engineering Sciences	Electrical, Electronics & Computer Engineering	Development Of Bessel Beam Based Fiber Optic Biosensor For Early Detection Of Breast Cancer.	Dr. Ardhendu Saha, National institute of Technology Agartala, Agartalla, Tripura,	6390535
309	Engineering Sciences	Electrical, Electronics & Computer Engineering	Design And Development Of An Inductive Miniature Sensor For RRR And Thickness Measurement Of RF Cavities	Dr. R Karunanithi, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	5926168
310	Engineering Sciences	Materials, Mining & Minerals Engineering	Blending boron with fireworks composition to minimize hazardous nature: making safe fireworks	Dr. A Azhagurajan, Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu,	1655060
311	Engineering Sciences	Materials, Mining & Minerals Engineering	Design and Development of Biodegradable Mg Alloy Implants for Orthopedic Application	Dr. Uma Batra, Pec University of Technology, Chandigarh, Chandigarh,	7739600
312	Engineering Sciences	Materials, Mining & Minerals Engineering	Development of functionally graded bioglass ceramic scaffold for bone tissue engineering.	Dr. Sumit Kumar Pal, National institute of Technology Rourkela, Rourkela, Orissa, 769008	7860042
313	Engineering Sciences	Materials, Mining & Minerals Engineering	Customized bioactive composite bone scaffold with controlled microstructure	Dr. Sanchita Bandyopadhyayghosh, Manipal University Jaipur, Jaipur, Rajasthan, 303007	3284600
314	Engineering Sciences	Materials, Mining & Minerals Engineering	Development of one-shot integrated thick sectioned composite parts using semi-cured composite laminates	Dr. Raghurajapandiyam Kuppusamy, Birla institute of Technology Mesra, Ranchi, Ranchi, Jharkhand, 835215	2784100
315	Engineering Sciences	Materials, Mining & Minerals Engineering	Effect of Electromechanical Forces on Domain Evolution in Ferroelectric and Multiferroic Thin Films: Phase-Field Modeling and Simulations	Dr. Saswata Bhattacharya, Indian institute of Technology Hyderabad, Hyderabad, Telangana, 502205	5483500
316	Engineering Sciences	Materials, Mining & Minerals Engineering	Oxide Mixtures as heat transfer fluids in Concentrating Solar power plants	Dr. Luckman Muhmood, K J Somaiya College of Engineering, Mumbai, Maharashtra, 400077	3251600

317	Engineering Sciences	Materials, Mining & Minerals Engineering	Multicomponent entropy stabilised oxides: Synthesis, processing and characterisation of a new class of ceramic materials	Dr. Subramshu Shekar Bhattacharya, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	2905980
318	Engineering Sciences	Materials, Mining & Minerals Engineering	Multicomponent entropy stabilised oxides: Synthesis, processing and characterisation of a new class of ceramic materials	Dr. Ashutosh Suresh Gandhi, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	3455980
319	Engineering Sciences	Materials, Mining & Minerals Engineering	Green materials for clean environment: Green synthesis of iron based nano materials using food wastes for antibiotic removal from water	Dr. Amitava Mukherjee, Vit University, Vellore, Tamil Nadu, 632014	4666860
320	Engineering Sciences	Materials, Mining & Minerals Engineering	Development Of Liquid Metal Processing Route For Closed Cell Magnesium Foam	Dr. Manas Mukherjee, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	1620520
321	Engineering Sciences	Materials, Mining & Minerals Engineering	Development Of Liquid Metal Processing Route For Closed Cell Magnesium Foam	Dr. Vinod Kumar Goarke, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	4986103
322	Engineering Sciences	Materials, Mining & Minerals Engineering	Durable Non-Fluorinated Functional Textiles Using Fumed Silica Sols	Dr. Prabhu Hari Kutuva, The South india Textile Research Association, Coimbatore, Tamil Nadu,	1760000
323	Engineering Sciences	Materials, Mining & Minerals Engineering	Synthesis And Advanced Characterization Of Mg-Ni-B-Reduced Graphene Oxide Nanosheet Nanocomposites Exhibiting Superior Hydrogen Uptake And Release Behaviour	Dr. Sankarasarma Venkata Tatiparti, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	5539600
324	Engineering Sciences	Materials, Mining & Minerals Engineering	Micromechanisms Of Deformation And Development Of Processing Map For Novel Single And Multiphase High Entropy Alloys	Dr. Krishanu Biswas, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	8575600
325	Engineering Sciences	Materials, Mining & Minerals Engineering	Development Of NASICON Framework Cathode For All-Solid-State Na-Ion Battery	Dr. Shobit Omar, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	7712100

326	Engineering Sciences	Materials, Mining & Minerals Engineering	Development Of Nano NTC Composition Based Sub Millimeter Sized Thermal Sensors For Low Temperature Applications	Dr. Seema A, Centre for Materials for Electronics Technology Thrissur, Thrissur, Kerala, 580011	4737040
327	Engineering Sciences	Materials, Mining & Minerals Engineering	SIMULATION & EXPERIMENTAL STUDIES ON NANOSTRUCTURED COMPOSITE THIN FILM MULTI-LAYER COATINGS	Dr. Krupashankara M S, R V College of Engineering, Bangalore, Karnataka, 560059	1840960
328	Engineering Sciences	Materials, Mining & Minerals Engineering	Development and Configurational Optimization Towards High Performance Single Chamber Solid Oxide Fuel Cell With Hybrid Perovskite Electrolytes	Dr. Suresh Babu K, Pondicherry University, Puducherry, Puducherry, 605014	5088330
329	Engineering Sciences	Materials, Mining & Minerals Engineering	Development Of High Efficiency P-Type Mg ₂ Si Based Materials And Its Contacting Technology For Thermoelectric Power Generation	Dr. Titas Gupta, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	6612661
330	Engineering Sciences	Materials, Mining & Minerals Engineering	Printed Organic/Inorganic Hybrid Field-Effect Transistors And Logics With Superior Mechanical Reliability	Dr. Subho Dasgupta, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	8679000
331	Engineering Sciences	Materials, Mining & Minerals Engineering	Development Of High Energy Density Rare Earth Free MnBi And FeCo/Cu Core-shell Exchange Spring Coupled Permanent Magnet	Dr. Amitava Basumallick, Indian institute of Engineering Science and Technology (IEST), Howrah, West Bengal,	6410591
332	Engineering Sciences	Materials, Mining & Minerals Engineering	Photo-Stabilization Of Wood Surfaces And Coatings With Nanoscale UV Absorbers	Dr. Krishna Kumar Pandey, institute of Wood Science and Technology, Bangalore, Karnataka,	3531880
333	Engineering Sciences	Materials, Mining & Minerals Engineering	Synthesis And Characterization Of LTA/YSZ Double Layer Thermal Barrier Coatings (TBC) And Their Variants With Respect To Their Corrosion And Oxidation Resistance.	Dr. Shashikant Tukaram Vagge, College of Engineering, Pune, Maharashtra,	3384480

334	Engineering Sciences	Materials, Mining & Minerals Engineering	Development Of Non-Invasive Medical Diagnostic Methods With Nanocluster Deposited Films As Active Substrates For Surface Enhanced Raman Spectroscopy	Dr. Rajanikanth Ammanabrolu, University of Hyderabad, Hyderabad, Telangana, 500046	7784645
335	Engineering Sciences	Materials, Mining & Minerals Engineering	Effect Of Crystallographic Texture On Fracture Behaviour Of Titanium And Ti6Al4V Using Digital Image Correlation And Electron Backscatter Diffraction	Dr. Nilesh Prakash Gurao, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	8213918
336	Engineering Sciences	Materials, Mining & Minerals Engineering	Development Of Indigenous Technology For CZTS (Cu ₂ ZnSnS ₄) Absorber Based Solar Cell Using Industry Friendly Magnetron Sputtering And RTP (Rapid Thermal Processing) Sulfurization Process	Dr. Subroto Mukherjee, institute for Plasma Research, Gandhinagar, Gujarat,	3814225
337	Engineering Sciences	Materials, Mining & Minerals Engineering	Development Of Indigenous Technology For CZTS (Cu ₂ ZnSnS ₄) Absorber Based Solar Cell Using Industry Friendly Magnetron Sputtering And RTP (Rapid Thermal Processing) Sulfurization Process	Dr. Emila Panda, Indian institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	3901260
338	Engineering Sciences	Materials, Mining & Minerals Engineering	Polymer Fiber Addition To Multi-Scale Glass Fiber Reinforced Clay Epoxy Nanocomposites For Improved Impact Strength	Dr. Rajeev Mehta, Thapar institute of Engineering & Technology, Patiala, Punjab,	2892483
339	Engineering Sciences	Materials, Mining & Minerals Engineering	In-Situ Electron Microscopy At Atomic Scale For Understanding Nucleation, Growth And Interfaces Of Omega Phase	Dr. Joysurya Basu, Indian institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	6584600
340	Engineering Sciences	Materials, Mining & Minerals Engineering	Non-Destructive, Atomically Resolved Off- Stoichiometry Determination Within Nanostructures Using Intensity Distribution Of Scanning Transmission Electron Microscopic (STEM) Images	Dr. Somnath Bhattacharyya, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	3322000
341	Engineering Sciences	Materials, Mining & Minerals Engineering	Combinatorial Synthesis Of Mixed Oxides Of Lutetium Oxide Doped With Europium Thin Films For Optoelectronics	Dr. Sudesna Roy, KiiT University, Bhubaneshwar, Orissa, 751024	2170520

342	Engineering Sciences	Materials, Mining & Minerals Engineering	Wear Behavior And Microstructural Studies Of Surface Mechanical Attrition Treated (SMAT) And Post-Treated Stainless Steels	Dr. Santosh Sattappa Hosmani, Indian institute of Technology indore, Indore, Madhya Pradesh, 452011	5085520
343	Engineering Sciences	Materials, Mining & Minerals Engineering	Phase and Exposed Facets Controlled Solution-Based Synthesis Of Nanostructured Materials For Catalytic And Photocatalytic Applications	Dr. Debabrata Pradhan, Indian institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	4879600
344	Engineering Sciences	Materials, Mining & Minerals Engineering	Manipulation Of Structure, Composition And Properties Of CuO Ceramics And Thin Films To Achieve Near Room Temperature Multiferroism For Device Applications	Dr. Ashish Garg, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	7709460
345	Engineering Sciences	Materials, Mining & Minerals Engineering	In-Situ Experimental And Numerical Studies Of Abnormal Grain Growth And Twinning During Annealing Of Cold Worked Nickel	Dr. Subramanyasarma Vadlamani, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	8258800
346	Life Sciences	Animal Sciences	Understanding A river Valley Ecosystem Across Altitudinal Gradients using Amphibians As an Indicator to ecosystem Health Dibang River Basin Arunachal Pradesh, India	Dr. Mohammad Firoz Ahmed, Aaranyak, Guwahati, Assam, 781028	5386200
347	Life Sciences	Animal Sciences	Bridging the gap in the systematics of Indian araneofauna An integrated approach using phylogeny and behaviour	Dr. P A Sebastian, Sacred Heart College, Thevara, Ernakulam (Kochi, Cochin), Kerala, 682013	6685400
348	Life Sciences	Animal Sciences	Undersatanding the role of antimicrobial peptide S100A12 (Calgranulin C) Mediated Host Defense in Pseudomonas Keratitis and Developing Nano tools for efficient delivery of S100A12	Dr. Swati Biswas, Birla institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana, 500078	1637800
349	Life Sciences	Animal Sciences	Undersanding the role of antimicrobial peptide S100A12 (Calgranulin C) mediated host defence Pseudomonas Keratitis and development nano tools for efficient delivery of S100A12	Dr. Sanhita Roy, Hyderabad Eye Research Foundation, Hyderabad, Andhra Pradesh,	3862800

350	Life Sciences	Animal Sciences	“Effect of thermal stress on fitness traits of two mealybug pests, Phenacoccus solenopsis, and Paracoccus marginatus and their parasitoids Aenasius bambawalei and Acerophagus papayae”	Dr. K Shankarganesh, Central institute for Cotton Research, Coimbatore, Tamil Nadu,	5205696
351	Life Sciences	Animal Sciences	Investigating The Molecular Mechanism Of Lipid Transport By The RDGB Protein In The Drosophila Photoreceptors	Dr. Ranabir Das, National Centre for Biological Sciences, Bangalore, Karnataka,	4434800
352	Life Sciences	Animal Sciences	Understanding Molecular Mechanism Of Antiadipogenic Activity Of Vitexin And Isovitexin	Dr. Saroj Surendra Ghaskadbi, Savitribai Phule Pune University, Pune, Maharashtra,	6766800
353	Life Sciences	Animal Sciences	Understanding The Genetic Diversity Of Taenia Solium Cysticercosis And Development Of Recombinant Antigen Based Diagnostic Assays For Sero-Surveillance	Dr. Siju Susan Jacob, National institute of Veterinary Epidemiology and Disease informatics, Bangalore, Karnataka,	4895600
354	Life Sciences	Animal Sciences	Intraguild interactions of predaceous ladybirds and their implications in aphid biocontrol	Dr. Ahmad Pervez, Radhe Hari Government Pg College, Udhamsinghnagar, Uttarakhand,	3058000
355	Life Sciences	Animal Sciences	The Role Of Transducin-Like Enhancer Of Split 3 (TLE3) In Regulating Myogenesis	Dr. Sam J Mathew, Regional Centre for Biotechnology, Faridabad, Haryana,	6490400
356	Life Sciences	Animal Sciences	Study on the millipede fauna in southern western ghats of Kerala	Dr. Sudhikumar Ambalaparambil, Christ College Irinjalakuda, Irinjalakuda, Kerala, 380125	5030200
357	Life Sciences	Animal Sciences	Technological Interventions For Prophylactic And Therapeutic Management Of Contagious Caprine Pleuropneumonia (CCPP) In Pashmina Goats	Dr. Mohd Iqbal Yattoo, Sher E Kashmir University of Agricultural Sciences & Technology Kashmir, Srinagar, Jammu And Kashmir,	3368600
358	Life Sciences	Animal Sciences	Foraging Ecology Of High Altitude Cliff Bee (Apis Laboriosa Smith) In-Situ And Its Response To Ex-Situ Management In Lower Altitude	Dr. Hiren Gogoi, Rajiv Gandhi University, Itanagar, Arunachal Pradesh,	2756600

359	Life Sciences	Animal Sciences	Assessment Of Anticancer Effect Of Triplex Forming Oligonucleotides (TFOs) On The Expression Of HMGB1 In Hepatoma Using Animal Model System	Dr. Moganty R Rajeshwari, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	6314400
360	Life Sciences	Animal Sciences	Role Of Autophagy In Vascular Smooth Muscle Cell Remodelling And Phenotype	Dr. Manoj Kumar Barthwal, Central Drug Research institute, Lucknow, Uttar Pradesh, 226031	4633000
361	Life Sciences	Animal Sciences	Establishment Of Reverse Genetics System For Rescue Of Bluetongue Virus Of Indian Origin	Dr. Gaurav Kumar Sharma, Indian Veterinary Research institute, Bareilly, Uttar Pradesh,	3885000
362	Life Sciences	Animal Sciences	Studies On Biphasic Moulting And Hermaphroditic Reproduction In <i>Norileca Indica</i> , A Parasitic Cymothoid (Isopoda: Crustacea) Infesting The Marine Fishes Of Malabar Coast.	Dr. Sudha Kappalli, Central University of Kerala, Kasargod, Kerala, 671123	4089600
363	Life Sciences	Animal Sciences	Analysis Of Impact Of Pax6 On Immunity Of Brain	Dr. Rajnikant Mishra, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	4199200
364	Life Sciences	Animal Sciences	Characterization Of The H3 Specific Protease (H3ase) Activity Of The Chicken Liver Glutamate Dehydrogenase (GDH).	Dr. Jogeswar Satichidananda Purohit, University of Delhi, Delhi, Delhi, 110007	6274800
365	Life Sciences	Animal Sciences	Exploring The Possibility Of Developing Semiochemical Based Control Strategy For The Management Of <i>Cossus Cadambae</i> The Borer Pest Of <i>Tectona Grandis</i> Through Isolation & Identification Of Its Pheromone System	Dr. Sajeev Thavalathadathil Velayudhan, Kerala forest Research institute, Thrissur, Kerala,	7006800
366	Life Sciences	Animal Sciences	The Effect Of Environmental Enrichment On Hippocampal Dependent Memory On Socially Stressed Mice	Dr. Emmanuvel Rajan Koilman, Bharathidasan University, Tiruchirappalli, Tamil Nadu, 620024	3897200

367	Life Sciences	Animal Sciences	Development Of Rapid And Visual Detection Of Zoonotic Potential Staphylococcus Pseudintermedius By Nucleic Acid Lateral Flow Assay	Dr. Ananda Chitra Murugesan, Tamilnadu Veterinary and Animal Sciences University, Thoothukudi, Tamil Nadu,	1958000
368	Life Sciences	Animal Sciences	Global Transcriptome And MiRNA Analysis For Deciphering Reasons For Low Cloning Efficiency In Buffalo	Dr. Prabhat Palta, National Dairy Research institute, Karnal, Haryana,	4678000
369	Life Sciences	Animal Sciences	Spatial Ecology And Prey Base Of Lesser Cats In Kalesar National Park, Haryana	Dr. Rajiv Singh Kalsi, Mukand Lal National College, Yamunanagar, Haryana, 135001	2426600
370	Life Sciences	Animal Sciences	Phylogeny, Classification And Biogeography Of The Leafhopper Subfamily Deltocephalinae (Hemiptera: Cicadellidae)	Dr. Naresh Manohar Meshram, Indian Agricultural Research institute, New Delhi, Delhi, 110012	3148800
371	Life Sciences	Animal Sciences	The Role Of Flower Constancy Of Foraging Bees In Predicting Their Pollination Efficiency	Dr. Sinu Allesh, Central University of Kerala, Kasargod, Kerala, 671123	3678200
372	Life Sciences	Animal Sciences	Endocrinological Approach To Address Optimized Productivity Of Lobsters Inhabiting Coastal Kanyakumari	Dr. Shylasuganthi Arundhathi, Holy Cross College Nagercoil, Nagercoil, Tamil Nadu, 629004	2962200
373	Life Sciences	Animal Sciences	Long-Term Bird Community Dynamics In A Fragmented Tropical Rainforest Landscape In The Western Ghats, India	Dr. Tr Shankar Raman, Nature Conservation Foundation, Mysore, Karnataka, 570002	2611000
374	Life Sciences	Animal Sciences	Genome Editing of MFGE8 And S100 Genes in Bovine Mammary Epithelial Cells to Understand Their Role in Milk Production	Dr. Ashok Kumar Mohanty, National Dairy Research institute, Karnal, Haryana,	6253800
375	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Molecular Interactions critical for DNA Mismatch Repair	Dr. Desirazu Narasimha Rao, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	3471000

376	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Molecular Interactions critical for DNA Mismatch Repair	Dr. Deepak T Nair, Regional Centre for Biotechnology, Faridabad, Haryana,	2491000
377	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Role of Cyclic di-AMP in ribosome biogenesis, 16S rRNA methyltransferase (RsmD) function and drug resistance in Mycobacterium	Dr. Krishna Murari Sinha, Amity University Haryana, Gurgaon, Haryana,	3536000
378	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Molecular Effectors of Beta- Barrel Membrane Protein Biogenesis, Misfolding and Aggregation	Dr. Radhakrishnan Mahalakshmi, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	5193200
379	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Palmitoylated α -Melanocyte Stimulating Hormone based peptidomimetics against biofilm embedded Staphylococcus aureus	Dr. Kasturi Mukhopadhyay, Jawaharlal Nehru University, New Delhi, Delhi, 110067	2782000
380	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Expression, intracellular localization and functional characterization of PAS domain containing phosphoglycerate kinase in Leishmania	Dr. Subrata Adak, Indian institute of Chemical Biology, Kolkata, West Bengal, 700032	3996000
381	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Investigating The Structural And Functional Basis Of RNA Binding And Post- Transcriptional Regulation Of Gene Expression By Annexin A2 In Response To Genotoxic Stress	Dr. Partho Sarothi Ray, Indian institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	2836000
382	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Investigating The Structural And Functional Basis Of RNA Binding And Post- Transcriptional Regulation Of Gene Expression By Annexin A2 In Response To Genotoxic Stress	Dr. Mandar V Deshmukh, Centre for Cellular and Molecular Biology, Hyderabad, Telangana, 500007	702000

383	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Histone Chaperone HIRA As A Novel Modulator In Dictating Differentiation Vs. Proliferation	Dr. Debasree Dutta, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	4246000
384	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Molecular Characterization Of AmpC Beta-Lactamase Producing Multidrug Resistant Uropathogenic E. Coli – A Study From Kolkata, An Eastern Region Of India	Dr. Mandira Mukherjee, Calcutta School of Tropical Medicine, Kolkata, West Bengal, 700073	2656800
385	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Structure -Function Studies On Nucleotide Sugar Transporters	Dr. Ramaswamy S, institute for Stem Cell Biology & Regenerative Medicine, Bangalore, Karnataka, 560065	5006000
386	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Effect Of Ionic Liquids On Different Phases Of Protein Fibril Formation	Dr. N Prakash Prabhu, University of Hyderabad, Hyderabad, Telangana, 500046	2074000
387	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Deciphering The Mechanisms Of Invasion By Salmonella Invasins	Dr. Santasabuj Das, National institute of Cholera and Enteric Diseases, Kolkata, West Bengal, 700009	4766800
388	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Analysis Of Crosstalk Between Gut Microbiota And Host Factors In Calibrating IgA Responses	Dr. Anna George, National institute of Immunology, New Delhi, Delhi, 110067	5201800
389	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Role Of Cancer Stem Cells In Tumor Neo-Angiogenesis: A Mechanistic Study	Dr. Tanya Das, Bose institute, Kolkata, West Bengal,	4876800
390	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Investigation On Translational Regulation Through Secondary Structural Elements In Utrophin-A 5'UTR	Dr. Utpal Basu, University of Kalyani, Kalyani, West Bengal, 741235	3493400
391	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Studies On Ferritin Degradation By Dopamine In Astroglial Cells	Dr. Chinmay K Mukhopadhyay, Jawaharlal Nehru University, New Delhi, Delhi, 110067	4656000
392	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Understanding Homothorax Independent Role Of Hox Cofactor Extradenticle In Drosophila Neuroblast Apoptosis.	Dr. Rohit Joshi, Centre for Dna Fingerprinting & Diagnostics, Hyderabad, Telangana, 500001	4876800

393	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Study Of Regulation Of RNA Interference During Rotavirus Infection And Characterization Of Cellular MiRNAs As Novel Antiviral Therapeutics	Dr. Mamta Chawlasarkar, National institute of Cholera and Enteric Diseases, Kolkata, West Bengal, 700009	4876800
394	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Functional And Structural Studies On The First Virus Coded Primase-Polymerase Protein With Terminal Transferase Activity	Dr. Kiran Kondabagil, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	4575679
395	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Nanoparticle-Mediated Co-Delivery Of Chemotherapeutic Drugs And Genes For Synergistic Cancer Treatment	Dr. Parames C Sil, Bose institute, Kolkata, West Bengal,	2866800
396	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Alzheimer's Disease: Identification Of Common Targets Regulating Both Apoptosis And Autophagy During Neurodegeneration	Dr. Subhas C Biswas, Indian institute of Chemical Biology, Kolkata, West Bengal, 700032	4546800
397	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	An Intracellular Binding Partner (Ligand) To RAGE Cytoplasmic Tail In RAGE Signaling And Pathologies	Dr. Vivek Rai, institute of Life Science, Bhubaneswar, Orissa, 750023	4553200
398	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Structure-Function Analysis Of A Major Plasmodium Falciparum Multiprotein Adhesion Complex (PfRH5-Ripr-CyRPA) Essential For Erythrocyte Invasion	Dr. Deepak Gaur, Jawaharlal Nehru University, New Delhi, Delhi, 110067	4110000
399	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Hijacking Of Host Iron Carrier Trafficking Machinery: Dissecting The Multifunctional Role Of Mammalian Glyceraldehyde-3-Phosphate Dehydrogenase In Iron Acquisition By Invading Mycobacterium Tuberculosis	Dr. Manoj Raje, institute of Microbial Technology, Chandigarh, Chandigarh, 160036	5633200
400	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	A Novel Approach To Study The Genomic And Functional Effect Of Bisbenzimidazoles: In Accordance To Develop Broad-Spectrum Antibacterial Agent.	Dr. Vibha Tandon, Jawaharlal Nehru University, New Delhi, Delhi, 110067	4636800

401	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Investigating The Role Of Mycobacterial Protein Rv2966c In Modulating The Host Epigenetic Circuitry During Infection	Dr. Sanjeev Khosla, Center for Dna Fingerprinting & Diagnostics, Hyderabad, Telangana, 500001	5306800
402	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Biomolecular Characterization Of Malaria Parasite Drug Target Dihydropteroate Synthase	Dr. Amit Sharma, international Centre for Genetic Engineering and Biotechnology(Icgeb), New Delhi, Delhi,	4566000
403	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Aldose Reductase (AR) Mediated Aberrant Molecular Changes In Coincident Diabetes And Cancer: Effect Of Dietary AR Inhibitors	Dr. G Bhanuprakash Reddy, National institute of Nutrition, Hyderabad, Telangana, 500007	3166400
404	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Aldose Reductase (AR) Mediated Aberrant Molecular Changes In Coincident Diabetes And Cancer: Effect Of Dietary AR Inhibitors	Dr. S Nagini, Annamalai University, Annamalainagar, Tamil Nadu, 608502	3104800
405	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	To Investigate The Role Of VapC Toxins, Rv2829c And Rv2549c, In The Physiology And Virulence Of Mycobacterium Tuberculosis	Dr. Krishan Gopal Thakur, institute of Microbial Technology, Chandigarh, Chandigarh, 160036	4773200
406	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Biophysical Studies On RNA-Peptide Interactions	Dr. Souvik Maiti, institute of Genomics and integrative Biology, Delhi, Delhi,	4636800
407	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Structural Biology Of Selected Prokaryotic Lectins	Dr. M Vijayan, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	4966800
408	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Analysis Of ERNA At Enhancer Eb Of Murine TCRb Locus	Dr. Madhulika Srivastava, National institute of Immunology, New Delhi, Delhi, 110067	4650400
409	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Phage Inspired Antibiotics For Mycobacteria	Dr. Sujoy K Dasgupta, Bose institute, Kolkata, West Bengal,	3896800
410	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Functional Analyses Of Pathogenicity Genes Of Colletotrichum Orbiculare Using RNAi For Management Of Cucumber Anthracnose	Dr. V Shanmugam, Indian Agricultural Research institute, New Delhi, Delhi, 110012	3796800

411	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Development Of Novel Self-Assembling Dendritic Systems For Biomedical Applications: Characterization And Kinetic Analysis	Dr. Edamana Prasad, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	4242791
412	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Insights Into Activation Of Virulence-Associated Mycobacterium Tuberculosis PhoP/PhoR System	Dr. Dibyendu Sarkar, institute of Microbial Technology, Chandigarh, Chandigarh, 160036	4566000
413	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Investigation Of The Role Of Tamalin In Group I MGluR Trafficking And MGluR-Dependent AMPA Receptor Endocytosis	Dr. Samarjit Bhattacharyya, Indian institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	4523200
414	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Genetic Validation Of Actin As A Drug Target In Leishmania And Development Of Drug Screening Assay System	Dr. Amogh Anant Sahasrabuddhe, Central Drug Research institute, Lucknow, Uttar Pradesh, 226031	3240000
415	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Structural And Functional Characterization Of TSPYL1, A Novel Histone Chaperone Implicated In Sudden Infant Death With Dysgenesis Of The Testes Syndrome (SIDDT) In Human	Dr. Siddhartha Roy, Indian institute of Chemical Biology, Kolkata, West Bengal, 700032	4236000
416	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Investigation Of Mechanism Of Mitochondrial Localization & Mitotoxicity Of C-Terminal Fragments Of TDP-43 Implicated In Amyotrophic Lateral Sclerosis (ALS) And Search For Effective Small Molecule Rescuers Against TDP-43-Induced Mitotoxicity.	Dr. Basant Kumar Patel, Indian institute of Technology Hyderabad, Hyderabad, Telangana, 502205	5128121
417	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Regulation Of Hepatic Metastasis Of Colorectal Cancer By Exosomes	Dr. Harikumar Kb, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	5313200
418	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Project Title: Cross Talk Between Mitochondria And PERK-EIF2 α -ATF4 Arm Of Unfolded Protein Response (UPR): Importance Of Chemical Chaperones	Dr. Kolluru V A Ramaiah, University of Hyderabad, Hyderabad, Telangana, 500046	4746800

419	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Polyamine Dependent Regulation Of ODC Antizyme ORF1p In Saccharomyces Cerevisiae	Dr. Palani Murugan Rangasamy, Centre for Cellular and Molecular Biology, Hyderabad, Telangana, 500007	3926000
420	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Structural Investigations On Small Heat Shock Proteins And Their Interactions With Substrates By X-Ray Crystallography And Cryolectron Microscopy	Dr. Suguna Kaza, Indian institute of Science,Bangalore, Bangalore, Karnataka, 560012	3866800
421	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Identification Of Regulatory Network Involved In The Preferential Utilization Of Aromatic Compound Over Glucose In Pseudomonas Putida CSV86	Dr. Prashant Sitakant Phale, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	7373070
422	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Converting A Signal Transducer Of GAL Genetic Switch In To An Enzyme: Understanding Bifunctionality Of Yeast Galactokinase	Dr. Paike Jayadev Bhat, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	3960000
423	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Functional Investigation Of Plasmodium Berghei Nicotinamidase (PBANKA_121800) By Reverse Genetics Approach- Implications For Developing Malaria Transmission Blocking Drug	Dr. Kota Arun Kumar, University of Hyderabad, Hyderabad, Telangana, 500046	6066800
424	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Evaluating The Role Of DUBS In Autophagy	Dr. Mohd Ashraf Dar, University of Kashmir, Srinagar, Jammu And Kashmir, 190006	6270000
425	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Functional Analysis For Genetic And Molecular Mechanisms That Maintain Nutrient And Energy Homeostasis	Dr. Jishy Verghese, Indian institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala,	4290000
426	Life Sciences	Biophysics, Biochemistry, Molecular Biology & Microbiology	Defining The Molecular Specificity In Interferon Regulatory Factors Leading To Generation Of Dendritic Cell Diversity.	Dr. Prafullakumar Balubhai Tailor, National institute of Immunology, New Delhi, Delhi, 110067	3240000

427	Life Sciences	Health Sciences	Pro-neurotrophins/P75NTR signalling contributes to increased apoptosis in preterm placenta	Dr. Preeti Gautam, Bharati Vidyapeeth Deemed University, Pune, Maharashtra,	4048000
428	Life Sciences	Health Sciences	Role of ETS-1 Th1 mediated biomarkers in the pathogenesis and assessment of response to treatment in patients with sarcoidosis	Dr. Randeep Guleria, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	6150840
429	Life Sciences	Health Sciences	Correlation of collagen type I alpha 1, osteocalcin interleukin-1 and 6 gene polymorphism with peri-dental implant crestal bone loss in India ethnicity	Dr. Kushal Kishor Agrawal, King George's Medical University, Lucknow, Uttar Pradesh,	5278600
430	Life Sciences	Health Sciences	Role of Hepatitis B "e" antigen in the pathogenesis of HBV related hepatocellular carcinoma	Dr. Vivekanandan Perumal, Indian institute of Technology Delhi, New Delhi, Delhi, 110016	5060000
431	Life Sciences	Health Sciences	Characterization And Functional Evaluation Of Trabecular Meshwork Stem Cells In Glaucoma Pathogenesis	Dr. Gowripriya Chidambaranathan, Aravind Medical Research Foundation, Madurai, Tamil Nadu,	4773200
432	Life Sciences	Health Sciences	Regulation Of Clustered MiRNAs And Their Biological Function In Carcinoma Of Human Uterine Cervix	Dr. Shama Prasada Kabekkodu, Manipal University, Manipal, Karnataka, 576104	4628000
433	Life Sciences	Health Sciences	Production of Bio cellulose membranes under the purview of development and application of topical antibiotic based transdermal pathches	Dr. Saurabh Saran, Indian institute of integrative Medicine Jammu, Jammu, Jammu And Kashmir,	4534793
434	Life Sciences	Health Sciences	Role of DNA replication proteins in preserving centrosomal integrity and preventing genomic instability and carcinogenesis	Dr. Sandeep Saxena, National institute of Immunology, New Delhi, Delhi, 110067	6272000
435	Life Sciences	Health Sciences	Animal Challenge study of novel shigella vaccine antigens common to multiple serotypes	Dr. Neelam Taneja, Post Graduate institute of Medical Education and Research, Chandigarh, Chandigarh,	2977632
436	Life Sciences	Health Sciences	C11orf92-RELA fusions in supratentorial ependymomas relevance in prognostication	Dr. Geeta Chacko, Christian Medical College, Vellore, Tamil Nadu	7301400

437	Life Sciences	Health Sciences	Genetic studies of fetuses with malformations for identification of non chromosomal syndromes and mendelian disorders disorders	Dr. Shagun Aggarwal, Nizam's institute of Medical Sciences, Hyderabad, Telangana, 500082	1402000
438	Life Sciences	Health Sciences	Genetic studies of fetuses with malformations for identification of non chromosomal syndromes and mendelian disorders disorders	Dr. Ashwin Dalal, Centre for DNA Fingerprinting & Diagnostics, Hyderabad, Telangana, 500001	4453800
439	Life Sciences	Health Sciences	To study the influence of CYP2C19 polymorphism on bortezomib blood concentration and clinical response in in myeloma patients	Dr. Pooja Gupta, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	2531073
440	Life Sciences	Health Sciences	Enriched physical activity in conjunction with fucoidan from fucus vesiculosus on Neuro angiogenic factors mediated cognitive restoration in vascular dementia model of rat	Dr. Rameshkumar Radhakrishnan, University of Madras, Chennai, Tamil Nadu, 600005	4243778
441	Life Sciences	Health Sciences	Characterization of intratype genomic variants of human papillomavirus type 16 by cervical intraepithelial neoplastic status with functional and evolutionary analysis	Dr. Arati Kishor Mane, National Aids Research institute, Pune, Maharashtra, 411026	3088000
442	Life Sciences	Health Sciences	Characterization of intratype genomic variants of human papillomavirus type 16 by cervical intraepithelial neoplastic status with functional and evolutionary analysis	Dr. Urmila Dilip Kulkarni Kale, Savitribai Phule Pune University, Pune, Maharashtra,	614878
443	Life Sciences	Health Sciences	To study the role of Gpr40 and PPAR γ signaling induced by docosahexaenoic acid in alleviating heavy metal (s) mediated astrocyte damage in the development brain	Dr. Sanghamitra Bandopadhyay, Indian institute of Toxicology Research, Lucknow, Uttar Pradesh,	3067000
444	Life Sciences	Health Sciences	Synthesis and biological evaluation of some novel tubulin inhibitors as antiproliferative agents	Dr. Anurag Chaudhary, Meerut institute of Engineering and Technology, Meerut, Uttar Pradesh, 250005	2343000

445	Life Sciences	Health Sciences	An Novel strategy for enhancing the efficacy of platelet rich plasma (PRP) in diabetic wound care	Dr. Rekha P D, Yenepoya University, Mangalore, Karnataka, 575018	4205200
446	Life Sciences	Health Sciences	Characterization of the genetic etiological spectrum and identification of novel genetic etiologies for non immune fetal hydrops	Dr. Ashwin Dalal, Centre for DNA Fingerprinting & Diagnostics, Hyderabad, Telangana, 500001	540000
447	Life Sciences	Health Sciences	Charaterization of the genetic etiological spectrum and identification of novel etiologies for non immune fetal hydrops	Dr. Prajnya Ranganath, Nizam's institute of Medical Sciences, Hyderabad, Telangana, 500082	5033000
448	Life Sciences	Health Sciences	Development of recombinase polymerase amplification based point of care molecuar diagnostic assays for detection for detection of respiratory viral and vector borne viral diseases	Dr. Manohar Lal Choudhary, National institute of Virology, Pune, Maharashtra, 411001	1949200
449	Life Sciences	Health Sciences	Molecular Basis Of Estrogenism In Endometriosis	Dr. Debabrata Ghosh, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	4616248
450	Life Sciences	Health Sciences	Tackling Lung Cancer Drug Resistance In INDIA: An Integrated Drug Repurposing Strategies	Dr. Shanthi V, Vit University Chennai, Chennai, Tamil Nadu,	1617000
451	Life Sciences	Health Sciences	Granulocyte colony stimulating Factor Plus N-Acetyl cysteine in severe alcoholic hepatitis.	Dr. Virendra Singh, Post Graduate institute of Medical Education and Research, Chandigarh, Chandigarh,	4275200
452	Life Sciences	Health Sciences	Investigate the role of Distal-Less Homeobox-1 (DLX1) in transdifferentiation of prostate cancer cells and neoplastic progression	Dr. Bushra Ateeq, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	6925800
453	Life Sciences	Health Sciences	An integrated approach to decipher the molecular mechanism of pesticide-induced Parkinsonism	Dr. Mahendra Pratap Singh, Indian institute of Toxicology Research, Lucknow, Uttar Pradesh,	6181200
454	Life Sciences	Health Sciences	Identification, characterization and validation of neutralizing monoclonal antibodies (MAbs) against Hepatitis E Virus	Dr. Anuradha Tripathy, National institute of Virology, Pune, Maharashtra, 411001	4302800

455	Life Sciences	Health Sciences	Gold Capsuled Combination Nanomedicine for Target Specific Therapy of Chemoresistant Breast Tumors	Dr. Ganga Modinaidu Vegi, National institute of Pharmaceutical Education and Research Guwahati, Guwahati, Assam, 781005	1265000
456	Life Sciences	Health Sciences	Gold Capsuled Combination Nanomedicine for Target Specific Therapy of Chemoresistant Breast Tumors	Dr. Asifkhan Shanavas, institute of Nano Science and Technology, Mohali, Punjab, 160047	2562200
457	Life Sciences	Health Sciences	To analyze gene copy number variations on derivative chromosome 9 and its implications in clinical response to Imatinib in Chronic Myeloid Leukemia.	Dr. Cecil R Ross, St John's Medical College, Bangalore, Karnataka, 560034	6216491
458	Life Sciences	Health Sciences	Unravelling the functional relevance of Snail paralogs in the pathogenesis of pediatric ependyomas	Dr. Meher Chand Sharma, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	4671160
459	Life Sciences	Health Sciences	Exosomal CD151 Web Proteins as an Early Non-invasive Diagnostic Markers for Triple Negative Breast Cancer	Dr. Ramarao Malla, Gitam University, Vishakhapatnam, Andhra Pradesh, 530045	2772000
460	Life Sciences	Health Sciences	Assessing the role of microRNAs in clinical severity of Thalassemia Patients, and in hydroxyurea mediated HbF induction.	Dr. Anita Nadkarni, National institute of Immunohaematology, Mumbai, Maharashtra,	5188496
461	Life Sciences	Health Sciences	Role of Sphingosine-1-Phosphate Signaling in oral carcinogenesis	Dr. Ashok Kumar, All india institute of Medical Science Bhopal, Bhopal, Madhya Pradesh,	4975200
462	Life Sciences	Health Sciences	Delineating the regulation of multi drug resistant efflux pumps over expressed in clinical Mycobacteria	Dr. Anil Kumar Singh, North East institute of Science & Technology, Jorhat, Assam,	4459600
463	Life Sciences	Health Sciences	Nanosensors for the Detection of Food Adulterants and Contaminants	Dr. Ashutosh Kumar, Ahmedabad University, Amreli, Gujarat, 380009	3983200
464	Life Sciences	Health Sciences	Role of nuclear factor E2 related factor 2 (NRF2) in ammonia induced astrocyte dysfunctions: implications in brain EDEMA in acute liver failure	Dr. Pichili Vijayabhaskar Reddy, Assam University, Silchar, Assam,	4794600

465	Life Sciences	Health Sciences	Elucidating the molecular basis and functional relevance of hypoxia-mediated aberrant methylation in glioma cells.	Dr. Tapasya Srivastava, University of Delhi South Campus, New Delhi, Delhi, 110021	7440100
466	Life Sciences	Health Sciences	Molecular regulation of Lysyl Oxidase and Matrix Metalloproteinase 9 for the management of corneal ectatic disease Keratoconus	Dr. Arkasubhra Ghosh, Narayana Nethralaya Eye Hospital, Bangalore, Karnataka,	4123200
467	Life Sciences	Health Sciences	Anti-complement factor H (FH) associated hemolytic uremic syndrome (HUS) in children: Immunological and genetic basis, and functional characterization of autoantibodies	Dr. Aditi Sinha, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	3976400
468	Life Sciences	Health Sciences	Anti-complement factor H (FH) associated hemolytic uremic syndrome (HUS) in children: Immunological and genetic basis, and functional characterization of autoantibodies	Dr. Faruq Mohammed, institute of Genomics and integrative Biology, Delhi, Delhi,	2844800
469	Life Sciences	Health Sciences	A combinatorial study and evaluation of role of therapeutic agents/inhibitors on JAK/STAT pathway	Dr. Dil Afroze, Sher-I-Kashmir institute of Medical Sciences Srinagar, Srinagar, Jammu And Kashmir,	3009000
470	Life Sciences	Health Sciences	Targeting telomerase transcriptionally and post-transcriptionally using small molecules and anti-telomerase peptides: potential double blow to aggressive drug resistant cancers	Dr. Shantanu Chowdhury, institute of Genomics and integrative Biology, Delhi, Delhi,	6551892
471	Life Sciences	Health Sciences	Targeting telomerase transcriptionally and post-transcriptionally using small molecules and anti-telomerase peptides: potential double blow to aggressive drug resistant cancers	Dr. Tushar Kanti Chakraborty, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	1811696

472	Life Sciences	Health Sciences	Screening for high risk human papillomavirus (HPV) genotypes by real time PCR in women with premalignant and malignant cervical pathology: a hospital based study from Raipur, Chhattisgarh.	Dr. Sanjay Singh Negi, All india institute of Medical Sciences Raipur, Raipur, Chhattisgarh, 492099	891000
473	Life Sciences	Health Sciences	To understand the role of innate inflammatory mechanisms of macrophages in Intestinal tuberculosis and Crohn's disease (Ver-2 of EMR/2016/000026)	Dr. Dhiraj Kumar, international Centre for Genetic Engineering and Biotechnology(Icgeb), New Delhi, Delhi,	5475400
474	Life Sciences	Health Sciences	To understand the role of innate inflammatory mechanisms of macrophages in Intestinal tuberculosis and Crohn's disease	Dr. Vineet Ahuja, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	2740800
475	Life Sciences	Health Sciences	Discovery of Pyrimidines and intermediates as a Human epidermal growth factor receptor (HER-2) and Apurinic/Apyrimidinic Endonuclease-1 (APE-1) inhibitors for breast cancer therapy: An synthetic approach	Dr. Guru Basavaraja Swamy, Acharya institute of Technology, Bangalore, Karnataka,	3101200
476	Life Sciences	Health Sciences	A Comparative In-vitro Evaluation of Anti-bilious Fruits of Folklore Fame in Ameliorating Obesity Associated Inflammation and Insulin Resistance	Dr. Premalatha Shetty, Sri Dharmasthala Manjunatheshwara College of Ayurveda & Hospitals, Udupi, Karnataka, 574118	365000
477	Life Sciences	Health Sciences	Identification of genetic mutations and risk factors associated with the conferring of extensive drugs resistance (XDR) in Indian isolates of Mycobacterium tuberculosis.	Dr. Ajay Vir Singh, National Jalma institute of Leprosy and Other Mycobacterial Diseases, Agra, Uttar Pradesh, 282001	1576000
478	Life Sciences	Health Sciences	Understanding The Role of Hippocampal Histaminergic Transmission In Ethanol Withdrawal Induced Behavioral Depression Associated with Alcoholism	Dr. Nishant S Jain, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh,	4010137

479	Life Sciences	Health Sciences	Studies on the role of host oxidative responses in mediating miltefosine unresponsiveness in visceral leishmaniasis	Dr. Sushmita Das, All india institute of Medical Sciences Patna, Patna, Bihar, 801505	2799200
480	Life Sciences	Health Sciences	Studies on the role of host oxidative responses in mediating miltefosine unresponsiveness in visceral leishmaniasis	Dr. Pradeep Das, Rajendra Memorial Research institute of Medical Science, Patna, Bihar, 800007	567000
481	Life Sciences	Health Sciences	Functional study of Voltage-gated Calcium Channel gene mutations in Schizophrenia using induced Pluripotent Stem Cells (iPSCs): A new approach for developing a cellular model	Dr. Dhanjit Kumar Das, National institute for Research in Reproductive Health, Mumbai, Maharashtra,	6963800
482	Life Sciences	Health Sciences	Pharmacogenetic determinants of 6-mercaptopurine toxicity and relapse in children with acute lymphoblastic leukemia	Dr. Patchva Dorababu, Apollo institute of Medical Science and Research Hyderabad, Hyderabad, Telangana, 500096	5420800
483	Life Sciences	Health Sciences	Design of bromodomain inhibitors for its anticancer activity	Dr. Giles D, Acharya & BM Reddy College of Pharmacy, Bangalore, Karnataka, 560090	4132012
484	Life Sciences	Health Sciences	Immunophenotypic profile of tumour infiltrating cells of the immune system & expression of PDL1 in triple negative/Her-2 neu positive breast cancer patients and their correlation with response to neoadjuvant chemotherapy	Dr. Sandeep Rajinder Mathur, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	2874440
485	Life Sciences	Health Sciences	Design, Synthesis and Biological Evaluation of HDAC3 Selective Inhibitors as Long Term Memory Enhancers	Dr. Balaram Ghosh, Birla institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana, 500078	2987800
486	Life Sciences	Health Sciences	Role of negative co-stimulatory molecule V-set domain-containing T-cell activation inhibitor-1 (VTCN1) in Vitiligo pathogenesis	Dr. Rasheedunnisa Begum, M S University of Baroda, Vadodara, Gujarat, 390002	3764200

487	Life Sciences	Health Sciences	A proteomic investigation to outline the mechanism associated to Non Response to corticosteroids therapy in patients with Severe Alcoholic Hepatitis"	Dr. Jaswinder Singh Maras, institute of Liver & Biliary Sciences, New Delhi, Delhi, 110070	5839400
488	Life Sciences	Health Sciences	Targeted next generation sequencing (NGS) for evaluating PI3/AKT/mTOR pathway as a potential therapeutic target for triple negative breast cancer	Dr. Amanjit Bal, Post Graduate institute of Medical Education and Research, Chandigarh, Chandigarh,	6332600
489	Life Sciences	Health Sciences	Investigations of the antimetabolic property of Sulfamethoxazole (SMX) group of drugs: Mechanistic actions and relevance as a lead anticancer compound	Dr. Suvroma Gupta, Haldia institute of Technology, Haldia, West Bengal, 721657	3609400
490	Life Sciences	Health Sciences	Role of Sterile Inflammation in Accelerated Skin Carcinogenesis induced by In utero Arsenic Exposure	Dr. Vikas Srivastava, Indian institute of Toxicology Research, Lucknow, Uttar Pradesh,	5243200
491	Life Sciences	Health Sciences	Investigating PAF-induced transformation in 3D breast acini	Dr. Mayurika Lahiri, Indian institute of Science Education and Research Pune, Pune, Maharashtra, 411008	5206000
492	Life Sciences	Health Sciences	Design and Synthesis of Substrate Based Peptide Inhibitors of DENV Protease for the Treatment of Dengue Viral Infections	Dr. Barji Nayan Sinha, Birla institute of Technology Mesra, Ranchi, Ranchi, Jharkhand, 835215	4560400
493	Life Sciences	Health Sciences	An Integrated Approach For Phenotype Based Identification And Target Validation Of Antifungal Compounds Active Against Aspergillus Fumigatus	Dr. Pooja Vijayaraghavan, Amity University Noida, Noida, Uttar Pradesh,	1485000
494	Life Sciences	Health Sciences	An Integrated Approach For Phenotype Based Identification And Target Validation Of Antifungal Compounds Active Against Aspergillus Fumigatus	Dr. Asish Kumar Bhattacharya, National Chemical Laboratory, Pune, Maharashtra, 411008	2766800

495	Life Sciences	Health Sciences	Evaluation Of Mechanism And Role Of Ubiquitination In Clearance Of Streptococcus Pneumoniae During Transit Through Blood Brain Barrier	Dr. Anirban Banerjee, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	5570000
496	Life Sciences	Health Sciences	Exploring The Potential Of Naturally Derived Coumarins As Potential Agents In Modeling Experimentally Induced Fibromyalgia	Dr. Rajbir Bhatti, Guru Nanak Dev University, Amritsar, Punjab, 143005	3069200
497	Life Sciences	Health Sciences	Detection and Characterization Of Resistance To NS5A Inhibitors In Hepatitis C Infected Patients Using Pyrosequencing And In Silico Analysis	Dr. Mini P Singh, Post Graduate institute of Medical Education and Research, Chandigarh, Chandigarh,	4910368
498	Life Sciences	Health Sciences	Experimental Investigation Of Central And Peripheral Administration Of Different Drugs On Neuropathic Pain Induced By Chronic Constriction Injury Of The Sciatic Nerve And Oxidative Stress Parameters In Rats	Dr. Chakra Dhar Tripathi, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, Delhi,	4052800
499	Life Sciences	Health Sciences	'Mechanistic Evaluation And In Vivo Validation Of The Anticancer Potential Of Utroside B Against Hepatocellular Carcinoma'	Dr. Ruby John Anto, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	5194600
500	Life Sciences	Health Sciences	Role of brain derived neurotrophic factor (BDNF) as a potential biomarker in seizure related cardiac abnormalities	Dr. Jatinder Palkaur Katyal, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	2203100
501	Life Sciences	Health Sciences	Role Of Rv1694 (TlyA) In Mycobacterium Tuberculosis Survival And Immune Evasion – A Prospective Drug Target.	Dr. Gobardhan Das, Jawaharlal Nehru University, New Delhi, Delhi, 110067	4840135
502	Life Sciences	Health Sciences	Study Of Interaction Between Platelet And Human Lymphatic Filarial Parasite With Focus On Eicosanoid Metabolism And Its Pathophysiological Implication	Dr. Kalyan Goswami, Mahatma Gandhi institute of Medical Sciences, Sevagram, Maharashtra,	3125600

503	Life Sciences	Health Sciences	Study Of Interaction Between Platelet And Human Lymphatic Filarial Parasite With Focus On Eicosanoid Metabolism And Its Pathophysiological Implication	Dr. D Dash, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	715000
504	Life Sciences	Health Sciences	To Investigate The Therapeutic Potential Of Endocannabinoid System Ligands In Murine Model Of Metabolic Syndrome	Dr. Sameer N Goyal, R C Patel institute of Pharmaceutical Education and Research, Dhule, Maharashtra,	3496600
505	Life Sciences	Health Sciences	A STUDY TO INVESTIGATE ENDOTHELIAL DYSFUNCTION AS PRECLINICAL MARKER FOR OSTEOPOROSIS	Dr. Puneetpal Singh, Punjabi University, Patiala, Punjab, 147002	4187200
506	Life Sciences	Health Sciences	Assessment Of Pesticide Exposure And Metabolic Gene Variations In Patients With Non Hodgkin's Lymphoma	Dr. Raghunadharao Digumarti, Homi Bhabha Cancer Hospital & Research Centre, Tata Memorial Centre, Vishakhapattanam, Andhra Pradesh,	6753200
507	Life Sciences	Health Sciences	Development Of PH-Responsive Smart Capsule Containing Targeted Multilayer Film For Drug Delivery: The Proof-Of-Concept Study In Colorectal Cancer Model	Dr. Venkatavamsikrishna Venuganti, Birla institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana, 500078	5554225
508	Life Sciences	Health Sciences	Role Of Mitochondrial Heterogeneity In The Progression And Prognosis Of Acute Myeloid Leukemia (AML)	Dr. Sameer Bakshi, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	5070400
509	Life Sciences	Health Sciences	Study On Effect Of Dopamine/Dopamine D2 Agonist Treatment With IGF-1 To Regulate Angiogenesis And Normalize Blood Vessels In Diabetic Retinopathy	Dr. Madhumita P Ghosh, Amity University Noida, Noida, Uttar Pradesh,	4720395
510	Life Sciences	Health Sciences	The Modulation Of Insulin Resistance And HDL Quality By Adipose Tissue ABCA1 And Metabolic Status.	Dr. Archana Singh, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	4017200
511	Life Sciences	Health Sciences	Therapeutic Potential Of Nrf2 Activators On Endoplasmic Reticulum Stress-Induced Endothelial Dysfunction In Diabetes	Dr. K M Ramkumar, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	5054200

512	Life Sciences	Health Sciences	Formulation Of Tobacco Stem Bioactive Compound Loaded Nanoparticle For Wound Healing	Dr. Kumud Bala, Amity University Noida, Noida, Uttar Pradesh,	3385900
513	Life Sciences	Health Sciences	A Biomimetic Scaffold-Based Approach For Ligament Tissue Engineering.	Dr. Dharendra S Katti, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	4392200
514	Life Sciences	Health Sciences	Dissecting The Contribution And Interplay Of MSI And CIMP In Colorectal Cancer In India	Dr. Murali Dharan Bashyam, Centre for Dna Fingerprinting & Diagnostics, Hyderabad, Telangana, 500001	7561600
515	Life Sciences	Health Sciences	Efficacy Of Umbilical Cord-Derived Mesenchymal Stem Cells Under Ischemia-Like Physiological Stress Conditions.	Dr. Malancha Ta, Indian institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	4488010
516	Life Sciences	Health Sciences	Development Of Next Generation BRAF Protein Kinase Inhibitors: Rational Design, Green Synthesis And Biological Evaluation On B-Raf Inhibition And Signalling In Melanoma.	Dr. Ramars Amanchy, Indian institute of Chemical Technology, Hyderabad, Telangana, 500607	6406000
517	Life Sciences	Health Sciences	Impact Of Maternal Diabetes On Pre-Implantation Embryo Development: Non-Invasive Approach To Assess Embryo Quality Using Oxygen Consumption	Dr. Keyur Raval, National institute of Technology Karnataka, Surthakal, Karnataka, 575025	385000
518	Life Sciences	Health Sciences	Impact Of Maternal Diabetes On Pre-Implantation Embryo Development: Non-Invasive Approach To Assess Embryo Quality Using Oxygen Consumption	Dr. Satish Adiga Kumar, Manipal University, Manipal, Karnataka, 576104	4635600
519	Life Sciences	Health Sciences	Identification And Molecular Characterization Of The CgHog1 Kinase Interactome: Impact On Iron Homeostasis And Candida Pathogenesis	Dr. Rupinder Kaur, Center for DNA Fingerprinting & Diagnostics, Hyderabad, Telangana, 500001	8314600

520	Life Sciences	Health Sciences	Role Of TGF-B And Stromal Fibroblasts In The Progression Of Breast Cancers	Dr. Paturu Kondaiah, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	7563000
521	Life Sciences	Health Sciences	Neuro-Anatomical Strabismus In Indian Eyes: A High-Resolution Orbital Magnetic Resonance Imaging Study	Dr. Zia Chaudhuri, Dr Ram Manohar Lohia Hospital, New Delhi, Delhi,	7325800
522	Life Sciences	Health Sciences	Purification And Characterization Of Compounds From Streptomyces Chrestomyceticus Strain ADP4 With Activities Against Pathogenic Candida Spp. And Their Biofilms	Dr. Ashok K Dubey, Netaji Subash institute of Technology, New Delhi, Delhi,	4485918
523	Life Sciences	Health Sciences	“Epigenetic Alteration And Copy Number Variation In The Genome Of Relapse Acute Lymphoblastic Leukemia”	Dr. Prateek Bhatia, Post Graduate institute of Medical Education and Research, Chandigarh, Chandigarh,	3151000
524	Life Sciences	Health Sciences	Identification Of Calcium Activated Potassium Channels And Understanding Their Role In Viability And Infectivity Of Leishmania Donovanii	Dr. Sushma Singh, National institute of Pharmaceutical Education and Research Mohali, Mohali, Punjab, 160062	4764000
525	Life Sciences	Health Sciences	Investigation Into The Role Of Melanocytes In Skin Wound Healing	Dr. Rajesh S Gokhale, National institute of Immunology, New Delhi, Delhi, 110067	3790400
526	Life Sciences	Health Sciences	Investigation Into The Role Of Melanocytes In Skin Wound Healing	Dr. Archana Singh, institute of Genomics and integrative Biology, Delhi, Delhi,	2933800
527	Life Sciences	Health Sciences	Development Of Small Molecular Inhibitor Specifically Targeting MTORC2 For Cancer Therapeutics: Development Of Targeted Anti-Cancer Strategy.	Dr. Smrati Bhadauria, Central Drug Research institute, Lucknow, Uttar Pradesh, 226031	4083200
528	Life Sciences	Health Sciences	Studies On Role Of MiR-29 Family In Neurodegeneration Induced By Adolescence Neurotoxicants Exposure And Neural Aging.	Dr. Sanjay Yadav, Indian institute of Toxicology Research, Lucknow, Uttar Pradesh,	5189600

529	Life Sciences	Health Sciences	DCMP: Database Of Cancer Mutant Protein Domains	Dr. Arnold Emerson Isaac, Vellore institute of Technology, Vellore, Tamil Nadu, 632014	1679955
530	Life Sciences	Health Sciences	Ribosome Heterogeneity Based On RRNA Methylation During Neuronal Differentiation And Its Impact On Translation	Dr. Ravi Muddashetty, institute for Stem Cell Biology & Regenerative Medicine, Bangalore, Karnataka, 560065	5416800
531	Life Sciences	Health Sciences	Role Of Estrogen-Related Receptor A (ERR α) In Epithelial-Mesenchymal Transition And Metastasis Of Breast Cancer	Dr. Selvakumar Elangovan, Kalinga institute of industrial Technology, Bhubaneshwar, Orissa,	5018200
532	Life Sciences	Health Sciences	Molecular And Genetic Characterisation And Genotype-Phenotype Correlations Of Children Suffering From Primary Immune Deficiency Disorders In A Tertiary Care Centre In South India	Dr. Geeta Madathil Govindaraj, Government Medical College Kozhikode, Kozikode, Kerala,	4901200
533	Life Sciences	Health Sciences	ROLE OF MiRNA MEDIATED MODULATION OF SIGNAL TRANSDUCTION IN PANCREATIC CANCER	Dr. Anoop Saraya, All india institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	5893400
534	Life Sciences	Health Sciences	Evaluation Of Therapeutic Potential Of Toluquinol In HER2 Mediated Alveolar Membrane Disruption	Dr. Vihas Thaikootathil Vasu, M S University of Baroda, Vadodara, Gujarat, 390002	4920800
535	Life Sciences	Health Sciences	Novel Strategies For Improving The Anticancer Efficacy Of Therapeutic Nucleic Acids Against Breast Cancer Stem Cells: Implication Of Targeted/Combinatorial Drug Regimens	Dr. Vikas Jain, JSS College of Pharmacy Mysore, Mysore, Karnataka, 570015	5523200
536	Life Sciences	Health Sciences	Prediction Of Genes And Their Functional Partners Responsible For Imparting Antibiotic Resistance In Enterobacteriaceae- An Extensive Study	Dr. Anupam Das Talukdar, Assam University, Silchar, Assam,	1095000

537	Life Sciences	Health Sciences	Transgenerational Studies On Parental Dietary Vitamin B12 Restriction With Different Levels Of Folate On Placental Epigenetics And Fetal Development	Dr. Jyotdeep Kaur, Post Graduate institute of Medical Education and Research, Chandigarh, Chandigarh,	6097668
538	Life Sciences	Health Sciences	Development Of Molecular Tools For Detection Of Asymptomatic Malaria	Dr. Ram Das, National institute of Malaria Research, New Delhi, Delhi,	2899550
539	Life Sciences	Health Sciences	Study On Streptomyces Sp Derived ASK2 Molecule To Combat Catheter Related Klebsiella Pneumoniae Blood Stream Infections: An Integrated Approach Of Antibiofilm And Immunomodulation	Dr. Jayapradha Ramakrishnan, Sastra University, Thanjavur, Tamil Nadu, 613401	3373200
540	Life Sciences	Health Sciences	A Study Of Macrophage Apoptosis And Mitochondrial Integrity In Response To PE/PE_PGRS Family Proteins Of Mycobacterium Tuberculosis.	Dr. Monika Sharma, Miranda House, Delhi, Delhi, 110007	6837800
541	Life Sciences	Health Sciences	“Plasmodium SCOT1 Mutant As Experimental Malaria Vaccine: Implications For Inducing Pre-Erythrocytic And Cross-Stage Immunity”.	Dr. Satish Mishra, Central Drug Research institute, Lucknow, Uttar Pradesh, 226031	6788900
542	Life Sciences	Health Sciences	Transcriptome Analysis Of Deltamethrin-Resistant Anopheles Stephensi And Anopheles Culicifacies	Dr. Om Prakash Singh, National institute of Malaria Research, New Delhi, Delhi,	8553800
543	Life Sciences	Health Sciences	Evaluation Of Neuroprotective Effects Of AMPK & SIRT1 Modulation In Experimental Diabetic Neuropathy Using Pharmacological Approaches	Dr. Ashutosh Kumar, National institute of Pharmaceutical Education and Research Hyderabad, Hyderabad, Telangana,	4410400
544	Life Sciences	Health Sciences	UNDERSTANDING THE ROLE OF HYPOXIA INDUCED MITOPHAGY IN CANCER CELL SURVIVAL AND DRUG RESISTANCE: IMPLICATIONS ON TUMOR STEM CELL LIKE CELLS.	Dr. T R Santhoshkumar, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	5296000

545	Life Sciences	Health Sciences	Radiation Dose Optimization In Diffuse Large B- Cell Lymphoma (DOBL) - A Randomized Phase III Non-Inferiority Trial.	Dr. Jayant Sastri Goda, Tata Memorial Hospital, Mumbai, Maharashtra, 400012	4992642
546	Life Sciences	Health Sciences	Phyto-Chemical Characterization Of Polyphenols In Ocimum Tenuiflorum And Investigation On Its Protective Potentials Against Oxidative Stress And DNA Damage	Dr. Biswatrish Sarkar, Birla institute of Technology Mesra, Ranchi, Ranchi, Jharkhand, 835215	3423200
547	Life Sciences	Health Sciences	Genetic Profiling Of Carcinoma Endometrium And Prognostic Significance Of Mutations In POLE Gene	Dr. Santhosh Kuriakose, Government Medical College Kozhikode, Kozikode, Kerala,	2640200
548	Life Sciences	Health Sciences	Understanding The Cellular Targets Involved In Bioactive Peptides Mediated Protection Of Prediabetes/Diabetes Associated Cardiomyopathy	Dr. Poornima Priyadarshini Cg, Central Food Technological Research institute, Mysore, Karnataka, 570020	4673000
549	Life Sciences	Health Sciences	Corneal Infection By Pythium Insidiosum: Investigation Into Immune Response In Animal Model, Evaluation Of Antibacterial Antibiotics In Animal Model And Randomized Double Masked Controlled Trial Of The Chosen Drug(S) In Patients	Dr. Savitri Sharma, Hyderabad Eye Research Foundation, Hyderabad, Andhra Pradesh,	3878800
550	Life Sciences	Health Sciences	Molecular, Clinicoradiologic And Pathological Characterization Of Oligodendrogliomas With CIC And FUBP1 Mutations	Dr. Deepti Akkihebbal Narasimhaiah, Sree Chitra Tirunal institute for Medical Sciences and Technology, Thiruvananthapuram, Kerala, 695011	4718000

551	Life Sciences	Health Sciences	Exploring Therapeutic Efficacy Of Novel Toll Like Receptor 9 Antagonist In Type II Diabetes	Dr. Dipyaman Ganguly, Indian institute of Chemical Biology, Kolkata, West Bengal, 700032	4807600
552	Life Sciences	Health Sciences	Detection And Longitudinal Monitoring Of T790M Mutant Population Among Epidermal Growth Factor Receptor (EGFR) Mutant Non-Small Cell Lung Cancers (NSCLCs) Treated With 1st Generation TKIs: Ultrasensitive Detection By Droplet Digital PCR	Dr. Raju Titus Chacko, Christian Medical College, Vellore, Tamil Nadu,	6372800
553	Life Sciences	Plant Sciences	Characterization of a MADS box transcription factor in microalgae coccomyxa subellipsoidea C-169	Dr. Saraswati Nayar, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	3367149
554	Life Sciences	Plant Sciences	Metabolic Engineering for enhanced taxol production in Taxol producing endophytic fungi a combination of genetic, molecular Biology and biotechnological approaches	Dr. Chelliah Jayabaskaran, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	3421440
555	Life Sciences	Plant Sciences	Identification and mapping of ToLCNDV resistance loci and introgression of resistance genes through molecular selection in chilli (Capsicum annum L)	Dr. Lakshmana Reddy Dc, Indian institute of Horticultural Research, Bangalore, Karnataka,	3515832
556	Life Sciences	Plant Sciences	In Planta characterization combined with metabolomics and biochemical approach to understand withanolides biosynthetic pathway in Ashwagandha (Withania somnifera)	Dr. Dinesh A Nagegowda, Central institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh, 226015	4071600
557	Life Sciences	Plant Sciences	Characterization of gene (s) responsible for tyloses formation in chickpea during fusarium oxysporum infection	Dr. Manoj Kumar, National Botanical Research institute, Lucknow, Uttar Pradesh, 226001	3574368

558	Life Sciences	Plant Sciences	Identification on stress responsive microRNA In arabidopsis under altered GSH conditions	Dr. Sharmila Chattopadhyay, Indian institute of Chemical Biology, Kolkata, West Bengal, 700032	4257144
559	Life Sciences	Plant Sciences	Quantitative trait loci (QTL) mapping for analyzing genetic determinism of disease resistance and development of DNA marker based selection tools for resistance breeding in rubber tree (<i>Hevea brasiliensis</i>)	Dr. Bindu Roy C, Rubber Research institute of india, Kottayam, Kerala,	3919968
560	Life Sciences	Plant Sciences	Sythesis of New Gene pool following introgression of disease resistance and drought tolerance genes from secondary (<i>Phaseolus coccineus</i> L) and tertiary (<i>Phaseolous acutifolius</i> L) gene pools into cultivated <i>phaseolus vulagris</i> L.	Dr. Sanjeev Kumar Salgotra, Sher-E-Kashmir University of Agricultural Sciences and Technology Jammu, Jammu, Jammu And Kashmir,	3310560
561	Life Sciences	Plant Sciences	Identification of novel and conserved sodium responsive miRNAs and their target genes modulating salinity stress during reproductive phase in rice cultivars	Dr. Vinay Kumar, Progressive Educations Society's Modern College of Arts, Science and Commerce, Pune, Maharashtra, 411005	2651330
562	Life Sciences	Plant Sciences	Production of novel lipopeptides (Locillomycins) from bacillus amyloiliquefaciens RHNK 22 as biological control agents	Dr. Hameeda Bee, Osmania University, Hyderabad, Telangana, 500007	2446446
563	Life Sciences	Plant Sciences	Bioactive metabolites(s) synthesis through mycobiont culture of lichens from Chhattisgarh region and their metabolites profiling as potential source for bioprospection.	Dr. Sushil Kumar Shahi, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh,	3309680
564	Life Sciences	Plant Sciences	Begomovirus based transient gene delivery system for genome editing in solanaceous plants	Dr. Anirban Roy, Indian Agricultural Research institute, New Delhi, Delhi, 110012	2711232
565	Life Sciences	Plant Sciences	Phytochemical investigation and anti-malarial activity evaluation of medicinal plants used by indigenous tribes of Andaman and Nicobar Islands	Dr. Paluru Vijayachari, Regional Medical Research Centre Port Blair, Port Blair, Andaman And Nicobar Islands,	3332016

566	Life Sciences	Plant Sciences	Phytochemical investigation and anti-malarial activity evaluation of medicinal plants used by indigenous tribes of Andaman and Nicobar Islands	Dr. Katragadda Suresh Babu, Indian institute of Chemical Technology, Hyderabad, Telangana, 500607	2614508
567	Life Sciences	Plant Sciences	Phytochemical and molecular characterization, bioprospecting of genes, value addition and quality enrichment of Bamboo through plant tissue culture technique from North East India	Dr. Arindam Barman, North Eastern Hill University, Shillong, Meghalaya,	3003990
568	Life Sciences	Plant Sciences	Study on Novel Non-Thermal Operation for Clarification and Concentration of Fruit Juice (<i>Anacardium occidentale</i> L.) and its By-product Utilizations	Dr. Rama Chandra Pradhan, National institute of Technology Rourkela, Rourkela, Orissa, 769008	4269168
569	Life Sciences	Plant Sciences	Metabolic Engineering Of Potato (<i>Solanum Tuberosum</i> L) For Enhanced Vitamin-B6 Accumulation By Overexpression Of Pyridoxine Genes.	Dr. Chandrama Prakash Upadhyay, Dr. Harisingh Gour Central University, Sagar, Madhya Pradesh, 470003	3882560
570	Life Sciences	Plant Sciences	Evaluating The Elicitation Effect Of Endophytic Fungal Derived Exopolysaccharides On Expression Of Triterpene Saponin Biosynthetic Pathway Genes And Signalling Components	Dr. Tartte Vijaya, Sri Venkateswara University, Tirupati, Andhra Pradesh,	3747040
571	Life Sciences	Plant Sciences	Revisionary Studies On Lichen Genera <i>Buellia</i> Senu Lato And <i>Rinodina</i> (<i>Caliciales</i>) From India	Dr. Sanjeeva Nayaka, National Botanical Research institute, Lucknow, Uttar Pradesh, 226001	2840130
572	Life Sciences	Plant Sciences	Modeling The Distribution Of Globally Important Invasive Plant Species: Is There Significant Niche Shift And Range Expansion During Invasion?	Dr. Ravikanth Gudasalamani, Ashoka Trust for Research in Ecology and The Environment, Bangalore, Karnataka,	4300020
573	Life Sciences	Plant Sciences	Nanobioremediation Of Butachlor Herbicide	Dr. Dinesh Goyal, Thapar institute of Engineering & Technology, Patiala, Punjab,	3481056

574	Life Sciences	Plant Sciences	Mining Of Scab Resistance R-Genes From Different Cultivars Of Apple And Introducing Scab Resistance In Commercially Important Varieties Of Apple Grown In Kashmir Valley Through Cisgenesis	Dr. Nazeer Ahmed, Sher E Kashmir University of Agricultural Sciences & Technology Kashmir, Srinagar, Jammu And Kashmir,	5745520
575	Life Sciences	Plant Sciences	In Vitro Biosynthesis And Enrichment Of Indole Alkaloids From Alstonia Scholaris And Elucidation Of Their Metabolic Pathway	Dr. Dipak Kumar Mishra, Central Drug Research institute, Lucknow, Uttar Pradesh, 226031	3373056
576	Life Sciences	Plant Sciences	Development And Identification Of MicroRNA Based DNA Markers Associated With Sterility Mosaic Disease Resistance In Pigeonpea	Dr. S N C V L Pushpavalli, Prof Jayashankar Telangana State Agricultural University, Hyderabad, Telangana, 500030	3538480
577	Life Sciences	Plant Sciences	Study Of Reproductive Biology Of Mangrove Species In Sundarbans In Correlation To Its Potential For Mangrove Restoration	Dr. Sandip Kumar Basak, Kandi Raj College, Murshidabad, West Bengal, 742137	3936790
578	Life Sciences	Plant Sciences	Epigenetical Effect On Arabidopsis Thaliana Of West Himalayan Populations In Response To Elevated CO2 For Adaptive Advantage	Dr. Sribash Roy, National Botanical Research institute, Lucknow, Uttar Pradesh, 226001	3697056
579	Life Sciences	Plant Sciences	Process Interventions For Development Of Speciality Flours For Value Addition Of By-Products Of Wheat Milling Industry	Dr. Aashitosh Ashok Inamdar, Central Food Technological Research institute, Mysore, Karnataka, 570020	2023056
580	Life Sciences	Plant Sciences	In Vitro Regeneration Of Critically Endangered Plant Crinum Malabaricum Lekhak & Yadav And Characterization Of Galanthamine In Cultures	Dr. Mahipal Singh Shekhawat, Mahatma Gandhi Government Atrs College, Mahe, Puducherry, Puducherry,	2278980

581	Life Sciences	Plant Sciences	Identification Of Best Combination Of Plant Growth Promoting Bacteria And Arbuscular Mycorrhizae For Enhancing Yield And Nutrient Content Of Wheat And Dissecting Associated Biological Pathways Using Proteomics And Metabolomics	Dr. Ramakrishna Wusirika, Central University of Punjab, Bathinda, Punjab,	3820592
582	Life Sciences	Plant Sciences	Unravelling Rice Interactor(S) For XopF-TTSS Effector Of Xanthomonas Oryzae Pv. Oryzae Race 4 That Play Crucial Role During Bacterial Blight Pathogenesis	Dr. Kalyan K Mondal, Indian Agricultural Research institute, New Delhi, Delhi, 110012	5025024
583	Life Sciences	Plant Sciences	UNDERSTANDING THE RESPIRATION AND GROWTH OF A MICROCOSM: THE CASE OF A FIG SYCONIUM	Dr. Renee M Borges, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	4163832
584	Life Sciences	Plant Sciences	Mitigation Of Chromium(VI) Toxicity In Some Vegetable Crops By Nutrient Management Approach	Dr. Sheo Mohan Prasad, University of Allahabad, Allahabad, Uttar Pradesh,	3712340
585	Life Sciences	Plant Sciences	Study The Role Of Tomato Metacaspases During Oxidative Stress	Dr. Sunil Kumar Singh, M S University of Baroda, Vadodara, Gujarat, 390002	4865520
586	Life Sciences	Plant Sciences	A Combining Approach Of GBS And ECOTILLING Based GWAS Study For Expediting Trait-Associated Genes/QTLs/Molecular Tags For Thebaine Content In Opium Poppy	Dr. Satya Narayan Jena, National Botanical Research institute, Lucknow, Uttar Pradesh, 226001	4017578
587	Life Sciences	Plant Sciences	The Effect Of Interannual Variation In Flowering Intensity, Periodicity And Synchrony On Pollination And Fruit Set In A Highly Seasonal Tropical Forest In The Western Ghats	Dr. Deepak Barua, Indian institute of Science Education and Research Pune, Pune, Maharashtra, 411008	2569897
588	Life Sciences	Plant Sciences	The Effect Of Interannual Variation In Flowering Intensity, Periodicity And Synchrony On Pollination And Fruit Set In A Highly Seasonal Tropical Forest In The Western Ghats	Dr. Hema Somanathan, Indian institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala,	2042854

589	Life Sciences	Plant Sciences	Unravelling The Interactome Of Tetraspanin Protein, A Novel Regulator Of Abiotic Stress Tolerance In Rice.	Dr. Surekha Katiyar Agarwal, University of Delhi South Campus, New Delhi, Delhi, 110021	3740000
590	Life Sciences	Plant Sciences	Taxonomic And Molecular Studies On The Genus Selaginella (Family Selaginellaceae) In India	Dr. Nisha P, St XAVIERS College for Women, Aluva, Kerala,	3177017
591	Life Sciences	Plant Sciences	Exploitation Of Hybrid Vigour For Quality And Yield Improvement Through Marker Assisted Selection In Cucumber (Cucumis Sativus L.)	Dr. Praneetha Subramanyam, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, 641003	2757810
592	Life Sciences	Plant Sciences	Diversity And Performance Of Key Forest Tree Species And Bryophytes In Gap And Non-Gap Areas Along An Altitudinal Gradient In Uttarakhand	Dr. Prem Lal Uniyal, University of Delhi, Delhi, Delhi, 110007	4146480
593	Life Sciences	Plant Sciences	Identification Of Targets Of The Cotton GhNAC2 Involved In Root Growth And Abiotic Stress Tolerance	Dr. Vidhu A Sane, National Botanical Research institute, Lucknow, Uttar Pradesh, 226001	4021056
594	Life Sciences	Plant Sciences	Assessment On The Potential Of Oil Palm (Elaeis Guineensis) Plantations For Carbon Sequestration In Different Regions Of Tamil Nadu	Dr. Davamani Veeraswamy, Horticultural College and Research institute, Theni, Tamil Nadu, 641664	2320576
595	Life Sciences	Plant Sciences	A Constructive Approach For Biosynthesis Of High Crocin In Saffron Plants By Overexpressing Novel Carotenoid Cleavage Dioxygenase (CCD2) And Zeaxanthin Cleavage Oxygenase (ZCD) Gene Independently	Dr. Khirod Kumar Sahoo, Ravenshaw University, Cuttack, Orissa,	4865355
596	Life Sciences	Plant Sciences	Investigating The Roles Of Heterotrimeric G-Protein Components (G α And RGS) Toward Governing Agronomical Traits And Abiotic Stress Tolerance In Indian Oilseed Mustard	Dr. Naveen Chandra Bisht, National institute of Plant Genome Research, New Delhi, Delhi, 110067	3582144

597	Life Sciences	Plant Sciences	Screening Iron Efficient Groundnut Genotypes And Assessing Contribution Of Microbial Siderophores In A Calcareous Soil Using Iron -59 Radiotracer	Dr. Sadasivam Meena, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, 641003	3640560
598	Life Sciences	Plant Sciences	Understanding The Systematics, Biogeography And Phylogenetic Relationships Of Garcinia (Clusiaceae) From Western And Eastern Ghats.	Dr. Velusamy Sundaresan, Central institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh, 226015	3095925
599	Life Sciences	Plant Sciences	Introgression Of Pungency Genes From Wild Species Through Marker-Assisted Selection In Chilli (Capsicum Annuum L.) – To Breed Suitable Commercial Pepper Cultivars For Industrial Use	Dr. Madhavi Reddy Kambham, Indian institute of Horticultural Research, Bangalore, Karnataka,	2727432
600	Life Sciences	Plant Sciences	Identification Of Resistance Source Against Prominent Races And Functional Characterization Of Avirulence Genes Of Xanthomonas Campestris Pv. Campestris Causing Black Rot Disease In Crucifer Crops	Dr. Dinesh Singh, Indian Agricultural Research institute, New Delhi, Delhi, 110012	3841479
601	Life Sciences	Plant Sciences	“Identification Of Heterotic Yield QTLs In Swarna X Oryza Rufipogon Introgression Lines (ILs) And Transferring Into Parental Lines Of Hybrid Rice To Enhance The Magnitude Of Heterosis”	Dr. Revathi Ponnuswamy, Directorate of Rice Research, Hyderabad, Telangana,	3359232
602	Life Sciences	Plant Sciences	Biological Invasion: Linking Phytochemical Dynamics Of India’s Most Aggressive Plant Invader To Genomic Adaptations	Dr. Gitanjali Yadav, National institute of Plant Genome Research, New Delhi, Delhi, 110067	3845232
603	Life Sciences	Plant Sciences	Characterization Of Squalene Epoxidase Genes ArSQ1 And ArSQ2 With An Aim To Enhance The Shatavarin IV Biosynthesis In Asparagus Racemosus Cell Culture	Dr. Rakesh Kumar Shukla, Central institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh, 226015	3845406
604	Life Sciences	Plant Sciences	Root-Specific Reduction Of Cytokinin For Enhanced Root Growth And Drought Tolerance In Oilseed Mustard (Brassica Juncea L. Cv. Varuna)	Dr. Bhupendra Chaudhary, Gautam Buddha University, Greater Noida, Uttar Pradesh,	2782560

605	Life Sciences	Plant Sciences	Nutrient And Metabolite Profiling Of Rice And Wheat Genotypes Growing In Arsenic Contaminated Areas Of Ballia District (U.P.)	Dr. Meetu Gupta, Jamia Millia Islamia, New Delhi, Delhi, 110025	3454000
606	Mathematical Sciences	Mathematical Sciences	Completely Prime ideals of Skew Polynomial Rings	Dr. Vijay Kumar Bhat, Shri Mata Vaishno Devi University, Katra, Jammu And Kashmir,	443200
607	Mathematical Sciences	Mathematical Sciences	Some Problems on b-coloring and Indicated Coloring of Graphs	Dr. S Francis Raj, Pondicherry University, Puducherry, Puducherry, 605014	1445180
608	Mathematical Sciences	Mathematical Sciences	Solutions for viscous and inviscid Burgers equations	Dr. Satyanarayana Engu, National institute of Technology Karnataka, Surthakal, Karnataka, 575025	1477190
609	Mathematical Sciences	Mathematical Sciences	On Epimorphisms And Semigroup Amalgams	Dr. Aftab Hussain Shah, Central University of Kashmir, Srinagar, Jammu And Kashmir, 190006	503745
610	Mathematical Sciences	Mathematical Sciences	Interaction of water waves with floating and submerged bodies	Dr. Soumen De, University of Calcutta, Kolkata, West Bengal, 700073	330000
611	Mathematical Sciences	Mathematical Sciences	Analytical And Numerical Investigation Of Unsteady Thin Film Flow Over A Porous Stretching Surface	Dr. Susanta Maity, National institute of Technology Arunachal Pradesh, Papumpare, Arunachal Pradesh,	604040
612	Mathematical Sciences	Mathematical Sciences	On the graphs associated with ordered structures	Dr. Vinayak Vishnupant Joshi, Savitribai Phule Pune University, Pune, Maharashtra,	1533290
613	Mathematical Sciences	Mathematical Sciences	Control Theory On Symmetric Spaces And Lie Super Groups	Dr. Kishor Chandra Pati, National institute of Technology Rourkela, Rourkela, Orissa, 769008	1359600

614	Mathematical Sciences	Mathematical Sciences	Exactly Solvable Exclusion Processes	Dr. Arvind Ayyer, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	1930490
615	Mathematical Sciences	Mathematical Sciences	Mathematical Modelling Of Seismic Wave Propagation In Composite Layered Structures	Dr. Amares Chattopadhyay, Indian institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	1519100
616	Mathematical Sciences	Mathematical Sciences	Homogenization Of Partial Differential Equations In Certain Complex Domains	Dr. A K Nandakumaran, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	1931600
617	Mathematical Sciences	Mathematical Sciences	Statistical Approaches For Genome-Wide Association Studies And Genomic Selection For Multiple Traits In Structured Plant And Animal Population	Dr. Lal Mohan Bhar, Indian Agricultural Statistics Research institute, New Delhi, Delhi, 110012	1535600
618	Mathematical Sciences	Mathematical Sciences	Symbol Pair Codes Over Finite Rings	Dr. Abhay Kumar Singh, Indian institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	1532080
619	Mathematical Sciences	Mathematical Sciences	Wavelet Galerkin Schemes For Higher Order Multidimensional Partial Differential Equations	Dr. B V Rathish Kumar, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	2041600
620	Mathematical Sciences	Mathematical Sciences	Optimal Design Of Experiments With Correlated Observations	Dr. Siuli Mukhopadhyay, Indian institute of Technology Bombay, Mumbai, Maharashtra, 400076	2093250
621	Mathematical Sciences	Mathematical Sciences	Principal Eigenvalue Problems And Its Application To Risk-Sensitive Controls	Dr. Anup Biswas, Indian institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1980000
622	Mathematical Sciences	Mathematical Sciences	On Recent Problems In Optimization Theory And Its Applications	Dr. Vinay Singh, National institute of Technology Mizoram, Aizwal, Mizoram,	1586300

623	Mathematical Sciences	Mathematical Sciences	Unsteady Hydrodynamic And Hydromagnetic Flows And Heat Transfer In Newtonian And Non-Newtonian Fluids.	Dr. Shibdas Dholey, Maharajadhiraj Uday Chand Women's College, Burdwan, West Bengal,	1627560
624	Mathematical Sciences	Mathematical Sciences	The Kontorovich-Lebedev Transform And Related Integral Operators On Function And Distribution Spaces	Dr. Akhilesh Prasad, Indian institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	1579094
625	Mathematical Sciences	Mathematical Sciences	MODELLING HYPOTHERMIA AND HYPOXIA ASSOCIATED PROBLEMS TO THE PEOPLE LIVING AT HGIH ALTITUDES OF HIMALAYAN REGIONS	Dr. Mukhtar Ahmad Khanday, University of Kashmir, Srinagar, Jammu And Kashmir, 190006	1557600
626	Mathematical Sciences	Mathematical Sciences	Analysis Of Anisotropic Effects In Turbulent Micro-Channel Flows	Dr. Motahar Reza, National institute of Science and Technology Orissa, Ganjam, Orissa, 761008	1742820
627	Mathematical Sciences	Mathematical Sciences	TWO FUNDAMENTAL PROBLEMS IN CODING THEORY.	Dr. Krishna Kaipa, Indian institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1100000
628	Mathematical Sciences	Mathematical Sciences	ROLE OF ESCAPING SETS IN COMPLEX DYNAMICS	Dr. Anand Prakash Singh, Central University of Rajasthan, Kishangarh, Rajasthan, 305801	482790
629	Mathematical Sciences	Mathematical Sciences	Extinction Risk Analysis: An Approach To Preserve Endangered Species	Dr. Parimita Roy, Thapar institute of Engineering & Technology, Patiala, Punjab,	1634600
630	Physical Sciences	Physical Sciences	Study Of Gasoline Quality In Aizawl And Its Impact On Vehicular Tail-Pipe Emission	Dr. Hranghming Thanga, Mizoram University, Aizwal, Mizoram, 796004	2444066
631	Physical Sciences	Physical Sciences	Development Of Highly Stable Platinum Free Nanostructures For Dye Sensitized Solar Cell Applications	Dr. R Jayavel, Anna University, Chennai, Tamil Nadu, 6000025	4231326

632	Physical Sciences	Physical Sciences	Driven Many Particle Systems In Physics And Biology	Dr. Sutapa Mukherjee, Central Food Technological Research institute, Mysore, Karnataka, 570020	1556485
633	Physical Sciences	Physical Sciences	Free Fermions And Quantum Gravity	Dr. Suvankar Dutta, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1734496
634	Physical Sciences	Physical Sciences	Relativistic correlation and quantum electrodynamics effects on the radiative decay of highly stripped few-electron ions	Dr. Lakshmi Natarajan, University of Mumbai, Mumbai, Maharashtra, 400098	2075590
635	Physical Sciences	Physical Sciences	Testing Bouncing Models With CMB Anisotropy	Dr. Sukanta Panda, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1795310
636	Physical Sciences	Physical Sciences	Dissipative Hydrodynamical Modeling For Heavy Ion Collisions	Dr. Asis Kumar Chaudhuri, Variable Energy Cyclotron Centre, Kolkata, West Bengal,	1932950
637	Physical Sciences	Physical Sciences	Microwave Plasma Generated Low Energy Ion Beams And Their Interaction With Matter For Modification Of Wettability And Optical Properties	Dr. Sudeep Bhattacharjee, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	2010586
638	Physical Sciences	Physical Sciences	Synthesis, Structural And Optical Characterization Of Rare Earth Doped Transparent Glasses And Glass-Ceramics For Fiber Laser Applications	Dr. Bungala Chinna Jamalaiah, Rajiv Gandhi Memorial College of Engineering and Technology, Kurnool, Andhra Pradesh, 518501	2011790
639	Physical Sciences	Physical Sciences	Development Of An Efficient Graphene Based Cu ₂ -XSb _x Te Nanocomposite For The Conversion Of Waste Heat Into Electricity	Dr. Gopalkrishnan Anbalagan, University of Madras, Chennai, Tamil Nadu, 600005	4739468
640	Physical Sciences	Physical Sciences	Development Of Flexible High Energy Density Anode Based On Silicon-Carbon Hybrid Nanofibrous Membranes For Lithium-Ion Battery Applications	Dr. Bibekananda Sundaray, Ravenshaw University, Cuttack, Orissa,	3340890

641	Physical Sciences	Physical Sciences	Development Of Novel Cluster Assembled Materials From Potential Cluster Motifs: A New Insight Under Density Functional Investigation	Dr. Debesh Ranjan Roy, Sardar Vallabhbhai National institute of Technology, Surat, Gujarat,	2769594
642	Physical Sciences	Physical Sciences	Null Geodesics Around Strong Gravitational Sources	Dr. Hemwati Nandan, Gurukula Kangri University, Haridwar, Uttarakhand,	1772958
643	Physical Sciences	Physical Sciences	Tailoring The Phonon Environment Of Embedded Rydberg Aggregates	Dr. Sabastian Wuster, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1638945
644	Physical Sciences	Physical Sciences	Study of scalar perturbations in cosmological models of dark energy	Dr. Sudipta Das, Visva Bharati University, Shanti Niketan, West Bengal, 731235	1754060
645	Physical Sciences	Physical Sciences	X-ray/UV relationship in narrow line seyfer 1 galaxy	Dr. Rathin Sarma, Hojai Collge, Nagaon, Assam, 782435	1799600
646	Physical Sciences	Physical Sciences	A bayesian approach for CBC parmeter reconstruction and tests of general relativity using amplitudecorrected post newtonian waeforms	Dr. Anand S Sengupta, Indian institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	1668169
647	Physical Sciences	Physical Sciences	Localization and flow of information in quantum computing and open quantum dyamamics	Dr. Anil Shaji, Indian institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala,	2103064
648	Physical Sciences	Physical Sciences	Development of ferroelectric thin film based photovoltaic cells	Dr. Monika Tomar, Miranda House, Delhi, Delhi, 110007	3153480
649	Physical Sciences	Physical Sciences	Dynamical Behavior Of Nuclear Systems Formed Via Light Particles And Heavy Ion Induced Reactions	Dr. Manoj Kumar Sharma, Thapar institute of Engineering & Technology, Patiala, Punjab,	1783520

650	Physical Sciences	Physical Sciences	Development of magnetic nanocomposites comprising Ba _{0.5} Sr _{0.5} Fe ₁₂ O ₁₉ /Y ₃ Fe ₅ O ₁₂ for permanent magnet applications	Dr. Ezhilvizhi R, Vit University, Vellore, Tamil Nadu, 632014	3084042
651	Physical Sciences	Physical Sciences	Surface modification for sensitivity and selectivity enhancement of nanostructured ZnO towards wide range ammonia detection	Dr. Jeyaprakash B G, Sastra University, Thanjavur, Tamil Nadu, 613401	2149628
652	Physical Sciences	Physical Sciences	Au decorated WO ₃ /Graphene nanohybrids as high efficient photoelectrochemical water splitter for hydrogen production	Dr. Nagamony Ponpandian, Bharathiar University, Coimbatore, Tamil Nadu, 641046	4645520
653	Physical Sciences	Physical Sciences	Synthesis of Organic Nano Fibers for Nonlinear Optical Applications	Dr. Nagalakshmi Ramamoorthi, National institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	2706192
654	Physical Sciences	Physical Sciences	Structural properties and astrophysical applications of quantum fluids	Dr. Radhaballabh Bhar, Jadavpur University, Kolkata, West Bengal, 700032	3264360
655	Physical Sciences	Physical Sciences	Growth of Optical Quality Stilbene and Triphenyl derivatives for high-energy neutron detection.	Dr. Rajesh P, S S N College of Engineering, Kalpakkam, Tamil Nadu,	1951347
656	Physical Sciences	Physical Sciences	Development of noble metal free electro catalyst for direct oxidation of ethylene glycol in direct ethylene glycol fuel cell (DEGFC)	Dr. Soumen Basu, National institute of Technology Durgapur, Durgapur, West Bengal, 713209	4305109
657	Physical Sciences	Physical Sciences	Core-shell Nanowire/Nanorods based device grade solid-state solar cell	Dr. Babasaheb Raghunath Sankapal, Visvesvaraya National institute of Technology, Nagpur, Maharashtra, 440010	4700107
658	Physical Sciences	Physical Sciences	Magnetic nanoparticles for memory applications	Dr. Angappane S, Centre for Nano and Soft Matter Sciences, Bangalore, Karnataka, 560013	2344032

659	Physical Sciences	Physical Sciences	Vacuum deposition of Fluorinated Zinc Phthalocyanine and Oligothiophene based plasmonic tandem solar cell	Dr. Partha Pratim Ray, Jadavpur University, Kolkata, West Bengal, 700032	4614417
660	Physical Sciences	Physical Sciences	Electro-optical response of Nematic Liquid Crystals doped with nanorods	Dr. Manjuladevi V, Birla institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	3920277
661	Physical Sciences	Physical Sciences	Photovoltaic Effect in Oxygen Vacancy-Controlled $\text{Bi}_{1-x}\text{A}_x\text{FeO}_3$ -d (A= Ca^{2+} , K^+ , Cs^+) Perovskite: Polarization Modulated and Nanoparticulate Sensitized Solar Cells	Dr. Sudakar Chandran, Indian institute of Technology Madras, Chennai, Tamil Nadu, 600036	4528480
662	Physical Sciences	Physical Sciences	Ecofriendly flexible CZTS solar cells	Dr. Teny Theresa John, Birla institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	2925560
663	Physical Sciences	Physical Sciences	Probing of Lanthanide doped Nano-materials (LnF_3 , NaLnF_4 : Ln = Y, Gd) as spectral convertor for next generation highly efficient photovoltaic applications	Dr. Suryanarayana Dash, National institute of Technology Rourkela, Rourkela, Orissa, 769008	3288516
664	Physical Sciences	Physical Sciences	Facile synthesis of Copper (I)/Copper (II) – based metal ternary oxide nanocomposites and their photoelectrochemical performance	Dr. Mohanraj K, Manonmaniam Sundarnar University, Tirunelveli, Tamil Nadu,	1666500
665	Physical Sciences	Physical Sciences	Fabrication and Systematic Investigation on Novel Nano Crystalline Quaternary $\text{Cu}_2\text{ZnSnX}_4$ (X=S, Se, Te) Thin Films as Absorber Layer for Solar Cell Application by SILAR method	Dr. Sultan Asthbadur, Kalasalingam Academy of Research and Higher Education, Kalasalingam University, Virudunagar, Tamil Nadu,	1863911
666	Physical Sciences	Physical Sciences	Understanding of the Quantum Chromo Dynamics (QCD) at low momentum transfer through a rare decay of light meson with experimental facility WASA-at-COSY	Dr. Kavita Lalwani, Malaviya National institute of Technology, Jaipur, Rajasthan,	2104539

667	Physical Sciences	Physical Sciences	Defects in high-k materials	Dr. Manish Jain, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	2291407
668	Physical Sciences	Physical Sciences	Study Of Electromagnetically Induced Transparency And Absorption Using Rydberg States Of Rb Excited With Diode Lasers	Dr. Vasant Natarajan, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	6136240
669	Physical Sciences	Physical Sciences	Engineered 2-Dimensional Transition Metal Dichalcogenide (TMD) Nanostructures For Efficient Hydrogen Generation	Dr. M M Shaijumon, Indian institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala,	3738680
670	Physical Sciences	Physical Sciences	Exploring Alternative Materials For Anode Of Lithium Ion Battery By First Principles Calculations	Dr. P Murugan, Central Electro Chemical Research institute, Karaikudi, Tamil Nadu, 630006	2839968
671	Physical Sciences	Physical Sciences	Nanostructured Nickel Cobaltite- Graphene Composites For High Performance Supercapacitor Applications	Dr. Sharad Shivaji Suryavanshi, Solapur University, Solapur, Maharashtra,	4037277
672	Physical Sciences	Physical Sciences	Near UV Excitable, Rare Earth/Transition Metal Ions Activated $Ba_2CaZn_2Si_6O_{17}$ Phosphor For White Light Emitting Diode Applications	Dr. S Masilla Moses Kennedy, S S N College of Engineering, Kalpakkam, Tamil Nadu,	1794129
673	Physical Sciences	Physical Sciences	Design of eco-friendly, cost-effective supercapacitor from cobalt spinel hetro-structures with high efficiency and stability	Dr. Parthibavarman Mathivanan, Chikkalial Naicker College, Erode, Tamil Nadu,	1626537
674	Physical Sciences	Physical Sciences	Novel Rare Earth Free Permanent Magnets For Clean Energy Applications	Dr. Manish Kumar, Kurukshetra University, Kurukshetra, Haryana, 136119	2529277
675	Physical Sciences	Physical Sciences	Experiments For Development Of A Technique For Smooth Directional Etching Of A Graphene Sheet	Dr. Rakesh Kumar, Indian institute of Technology Ropar, Ropar, Punjab, 140001	2090000

676	Physical Sciences	Physical Sciences	Panchromatic Temporal Characterisation Of Classical Be-Stars	Dr. Paul K T, Christ University, Bangalore, Karnataka,	735238
677	Physical Sciences	Physical Sciences	Heterojunction Nanowire Arrays For Photovoltaic Devices	Dr. Shweta Nandu Chaure, College of Engineering, Pune, Maharashtra,	2420000
678	Physical Sciences	Physical Sciences	Structural and charge carrier dynamics study of heavy metal oxide based nanostructures for futuristic electrolyte application in SOFC	Dr. Abhigyan Dutta, University of Burdwan, Burdwan, West Bengal, 713101	2173815
679	Physical Sciences	Physical Sciences	Nonequilibrium Statistical Physics Of Reaction Diffusion And Threshold Activated Driven Systems	Dr. Parongama Sen, University of Calcutta, Kolkata, West Bengal, 700073	1808688
680	Physical Sciences	Physical Sciences	Theoretical And Experimental Spectroscopic Investigation Of Astrophysically Relevant Polycyclic Aromatic Hydrocarbon Molecules	Dr. Amit Pathak, Tezpur University, Tezpur, Assam, 784028	4913287
681	Physical Sciences	Physical Sciences	Ultrathin 2D- Nanomaterials For Cancer Diagnostic Application	Dr. Nitin Kumar Puri, Delhi Technological University, New Delhi, Delhi, 110042	4968480
682	Physical Sciences	Physical Sciences	Quantum Diffusion Of The Intersoliton Distance In A Gross-Pitaevskii Breather	Dr. Sumita Datta, Icfai Foundation for Higher Education, Hyderabad, Telangana, 501203	961184
683	Physical Sciences	Physical Sciences	Development Of Transparent Conducting Oxide Based Fibre Optic Plasmonic Hydrogen And Ammonia Sensors	Dr. Sankara Narayanan Potty, Centre for Materials for Electronics Technology Thrissur, Thrissur, Kerala, 580011	4484665
684	Physical Sciences	Physical Sciences	Darboux Transformations, Exceptional Orthogonal Polynomials And Exactly Solvable Models	Dr. Sree Ranjani S, Icfai Foundation for Higher Education, Hyderabad, Telangana, 501203	1991327
685	Physical Sciences	Physical Sciences	Development Of Highly Stable Polymer:fullerene Bulk Heterojunction Solar Cells Using Various Nano-Scale Additives	Dr. J Chandrasekaran, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, Tamil Nadu, 641020	3310560

686	Physical Sciences	Physical Sciences	Fabrication Of Cost Effective Dye Sensitized Solar Cells With Platinum Free Counter Electrode And Bi-Functional Upconversion Photo Electrodes.	Dr. M Raghavender, Yogi Vemana University, Kadapa, Andhra Pradesh,	2943270
687	Physical Sciences	Physical Sciences	Study Of Surface And Lamb Type Wave Propagation In The Context Of Size Dependent Piezoelectricity	Dr. Satish Kumar, Thapar institute of Engineering & Technology, Patiala, Punjab,	1957560
688	Physical Sciences	Physical Sciences	Experimental Investigation On Spin-Orbit Interaction In Correlated Systems	Dr. Subodh Kumar De, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	3779886
689	Physical Sciences	Physical Sciences	Dynamical Phases And Phase Transitions In Spatially Extended Systems	Dr. Prashant Manohar Gade, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra, 440001	2115520
690	Physical Sciences	Physical Sciences	Investigation On The Prospects Of Hydrothermal-Synthesized ZnO Nanostructures For UV Photodetection	Dr. Ranajit Ghosh, Central Mechanical Engineering Research institute, Durgapur, West Bengal, 713209	3481056
691	Physical Sciences	Physical Sciences	A Pursuit Of Prospective Layer / Olivine Type Electrode Materials For Sodium Batteries	Dr. Marimuthu Sivakumar, Alagappa University, Karaikudi, Tamil Nadu, 630003	3525148
692	Physical Sciences	Physical Sciences	Utilization Of Novel Carbon Quantum Dots (CQDs) As Acceptor Component In Hybrid Photovoltaic: A Solution Based Approach	Dr. Kallol Mohanta, Psg institute of Advanced Studies, Coimbatore, Tamil Nadu,	4563460
693	Physical Sciences	Physical Sciences	Interrogation Of Proteins In Matrix By Stain Free Light Emitting Diode (LED) Induced Autofluorescence	Dr. K K Mahato, Manipal University, Manipal, Karnataka, 576104	2862019
694	Physical Sciences	Physical Sciences	Physics Of Radio Bright Gamma Ray Burst Afterglows	Dr. Resmi Lekshmi, Indian institute of Space Science and Technology, Thiruvananthapuram, Kerala, 695547	2055456
695	Physical Sciences	Physical Sciences	Study Of Strain Mediated Electrical Control Over Magnetism In Ferromagnetic / Ferroelectric Hetrostructure	Dr. Vijaylakshmi Dayal, Maharaja institute of Technology, Mysore, Karnataka,	3311550

696	Physical Sciences	Physical Sciences	Development Of Antiferroelectric Liquid Crystalline Materials For Application In Optical Modulators With Symmetric Switching Times	Dr. Banani Adhikari Das, Siliguri institute of Technology, Darjiling, West Bengal,	3835920
697	Physical Sciences	Physical Sciences	Theoretical Study Of Spin-Orbit Driven Emergent Phenomena In Strongly Correlated Systems	Dr. Indra Dasgupta, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	4281984
698	Physical Sciences	Physical Sciences	Studies On Novel Visible Up-Conversion Luminescent Rare Earth Doped Nanophosphors For Bio-Photonic Applications	Dr. Allam Srinivasa Rao, Delhi Technological University, New Delhi, Delhi, 110042	3648480
699	Physical Sciences	Physical Sciences	Enhancing The Thermal Stability Of Chalcogenide Phase-Change Materials For Switching And Memory Applications	Dr. Vineet Sharma, Jaypee University of information Technology, Solan, Himachal Pradesh, 173234	2006950
700	Physical Sciences	Physical Sciences	Hydrogen Storage Using 2D Chalcogenide And Graphene Layered Materials	Dr. Surajit Kumar Hazra, Jaypee University of information Technology, Solan, Himachal Pradesh, 173234	3222560
701	Physical Sciences	Physical Sciences	Explosive Oscillation Suppression In Coupled Nonlinear Oscillators	Dr. Manish Dev Shrimali, Central University of Rajasthan, Kishangarh, Rajasthan, 305801	2078560
702	Physical Sciences	Physical Sciences	Functional Domains And Site Correlation Networks In Evolving Protein Families	Dr. Nivedita Deo, University of Delhi, Delhi, Delhi, 110007	2383397
703	Physical Sciences	Physical Sciences	Lyotropic Liquid Crystalline Materials For Capacitive Devices And As A Water Free Soft Templates To Develop Nanostructures	Dr. Ravi Kumar Shukla, DIT University, Dehradun, Uttarakhand,	3930520
704	Physical Sciences	Physical Sciences	Development And Characterization Of Metal Oxide Nanostructures And Nanocomposites For Photocatalytic Applications	Dr. Kongkham Nomita Deni, Manipur University, Imphal, Manipur, 795003	1946560
705	Physical Sciences	Physical Sciences	Theoretical And Observational Aspects Of Compact Objects	Dr. Bikash Chandra Paul, North Bengal University, Darjiling, West Bengal,	1686509

706	Physical Sciences	Physical Sciences	Spectral Division Multiplexing For Multipoint Sensing In A FBG Sensor Network	Dr. Pandian Chelliah, Ramakrishna Mission Vivekananda College, Chennai, Tamil Nadu,	3767423
707	Physical Sciences	Physical Sciences	Hierarchical Hybrid Micro/Nano-Textured Monocrystalline Silicon And Polymer Anti-Reflective Surfaces For High Efficiency Solar Cells	Dr. Prem Pal, Indian institute of Technology Hyderabad, Hyderabad, Telangana, 502205	2878480
708	Physical Sciences	Physical Sciences	Ruling Of Surface Morphology And Electrochemical Behavior Of Lithium Metal Phosphate Thin Film For Energy Storage Application	Dr. N Siva Kumar, Chikkalialah Naicker College, Erode, Tamil Nadu,	2314620
709	Physical Sciences	Physical Sciences	Deprivation Of Dye And Pharmaceutical Compound From Textile And Pharmaceutical Industry Waste Water Through Pin-To-Plate Dielectric Barrier Discharge Plasma Assisted With Activated Catalysts For Agricultural Applications	Dr. Navaneetha Pandiyaraj, Sri Shakthi institute of Engineering and Technology, Coimbatore, Tamil Nadu, 641062	3425840
710	Physical Sciences	Physical Sciences	Synthesis Of Hybrid Structure Of Graphene And Transition Metal Dichalcogenides For Photodetection Application	Dr. Anchal Srivastava, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	3776740
711	Physical Sciences	Physical Sciences	Studies On Bifunctional (Wetting-Dewetting And Biophotonic Colouration) Properties Of Certain Natural Systems Of Biological Origin	Dr. Dambarudhar Mohanta, Tezpur University, Tezpur, Assam, 784028	4366560
712	Physical Sciences	Physical Sciences	Entanglement And Information In Holographic Field Theories	Dr. Tapobrata Sarkar, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	2060509
713	Physical Sciences	Physical Sciences	Testing Gravity In The Strong-Field Regime Using Gravitational Wave Observations	Dr. K G Arun, Chennai Mathematical institute, Chennai, Tamil Nadu,	2264444
714	Physical Sciences	Physical Sciences	INTERPLAY BETWEEN SINGLE PARTICLE AND COLLECTIVE EXCITATION IN K ISOTOPES	Dr. Abhijit Bisoi, Indian institute of Engineering Science and Technology (IEST), Howrah, West Bengal,	3368338

715	Physical Sciences	Physical Sciences	Inferring Nonlinear And Stochastic Dynamics Of Flocking Systems From Real Data	Dr. Vishwesh Guttal, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	4198750
716	Physical Sciences	Physical Sciences	Multimodal Low Coherence Optical Microscope For Microfluidics Imaging Applications	Dr. Renu John, Indian institute of Technology Hyderabad, Hyderabad, Telangana, 502205	3868480
717	Physical Sciences	Physical Sciences	Development Of Ultra Low Thermal Conductivity High Performance Thermoelectric TIBiSe ₂ And TIBiS ₂ Single Crystals	Dr. K Aravinth, S S N College of Engineering, Kalpakkam, Tamil Nadu,	2429708
718	Physical Sciences	Physical Sciences	Development Of Multifunctional Materials For Spintronic Devices And Sensor Applications.	Dr. Ravinder Dachehalli, Osmania University, Hyderabad, Telangana, 500007	3120216
719	Physical Sciences	Physical Sciences	Development Of Sodium Ion Rechargeable Coin Cell Micro-Batteries For Consumer Electronic Devices	Dr. Subhasish Basu Majumder, Indian institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	4155861
720	Physical Sciences	Physical Sciences	Nanostructured Hybrid Materials For Energy Harvesting	Dr. Atikur Rahman, Indian institute of Science Education and Research Pune, Pune, Maharashtra, 411008	6380000
721	Physical Sciences	Physical Sciences	Development Of Mulberry And Non-Mulberry Silk Of Assam As Potential Biomaterials For Healthcare And Bioengineering Applications By Using Atmospheric Dielectric Barrier Discharge (A-DBD) Plasma	Dr. Arup Jyoti Choudhury, Tezpur University, Tezpur, Assam, 784028	7018165
722	Physical Sciences	Physical Sciences	Design And Development Of Au/Ag Doped Polymer Optical Fibre Laser With Enhanced Photo Stability	Dr. Kailasnath Madanan, Cochin University of Science and Technology, Kochi, Kerala,	4425520
723	Physical Sciences	Physical Sciences	Development Of Graphene And Metal Nanoparticles Reinforced Flexible Polymer Nanocomposites For Effective Electromagnetic Interference (EMI) Shielding Applications	Dr. M Basheer Ahmed, B S Abdur Rahman University, Chennai, Tamil Nadu, 600048	2801980

724	Physical Sciences	Physical Sciences	Earth Abundant Materials Based Nanoalloys Encapsulated In Carbon Nanostructures For Various Applications	Dr. Karuna Kar Nanda, Indian institute of Science, Bangalore, Bangalore, Karnataka, 560012	5774615
725	Physical Sciences	Physical Sciences	Plasma Based Synthesis Of Materials For Plasmonic Infrared Photodetector	Dr. Arup Ratan Pal, institute of Advanced Study in Science and Technology, Guwahati, Assam, 781035	8320396
726	Physical Sciences	Physical Sciences	Anisotropy Engineering In Magnetic Thin Films And Multilayer For Possible Applications	Dr. Ranjan Mohanty, Indian institute of Technology Hyderabad, Hyderabad, Telangana, 502205	5820980
727	Physical Sciences	Physical Sciences	Development Of Novel Thermoelectric Module Using Doped And Nanostructured ZnO Based Materials For Energy Generation	Dr. Anuradha M Ashok, P S G institute of Advanced Studies, Coimbatore, Tamil Nadu,	5085520
728	Physical Sciences	Physical Sciences	Superconductor-Exchange Spring-Superconductor Junctions For Tunable Spin-Triplet Supercurrent Devices	Dr. Kartik Senapati, National institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	6295555
729	Physical Sciences	Physical Sciences	Metal Oxide Nanostructures For Chemo Resistive Gas Sensors For Breath Analysis.	Dr. K Rajeev Kumar, Cochin University of Science and Technology, Kochi	2578048
730	Physical Sciences	Physical Sciences	Deposition Of Two-Dimensional MoS ₂ And WS ₂ By RF Magnetron Sputtering And Development Of Two-Dimensional MoS ₂ And WS ₂ Thin Film Transistors	Dr. Saji K J, Cochin University of Science and Technology, Kochi	3618796
731	Physical Sciences	Physical Sciences	IMPROVING CORROSION RESISTANCE OF MAGNESIUM ALLOYS AGAINST WET ENVIROMENT BY DIFFERENT PROTECTIVE COATINGS	Dr. P Thangadurai, Pondicherry University, Puducherry, Puducherry, 605014	3765520
732	Physical Sciences	Physical Sciences	Electron And Positron Induced Chemistry At The Molecular Level: Investigation Through Scattering Studies	Dr. Bobby K Antony, Indian institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	2334970

733	Physical Sciences	Physical Sciences	Analytical And Numerical Simulation Of Growth And Field Emission Properties Of CNT-Graphene Composites	Dr. Suresh Chandra Sharma, Delhi Technological University, New Delhi, Delhi, 110042	2393794
734	Physical Sciences	Physical Sciences	Energy Equilibration In Fermi Accelerators With Finite Wall Mass	Dr. Kushal K Shah, Indian institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1785559
735	Physical Sciences	Physical Sciences	Development Of Ionic Liquid Polymer Electrolyte Based 400 MAh Lithium Polymer Rechargeable Battery	Dr. R K Singh, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	4535520
736	Physical Sciences	Physical Sciences	Search For Signatures Of Gravity Theories Beyond Einstein	Dr. Soumitra Sengupta, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	1906243
737	Physical Sciences	Physical Sciences	Domains In Lead-Free Ferroelectrics: A Transmission Electron Microscopy Study	Dr. Balaji Ishwarrao Birajdar, Jawaharlal Nehru University, New Delhi, Delhi, 110067	2105950
738	Physical Sciences	Physical Sciences	ELECTRO-STRUCTURALLY ENGINEERED PEROVSKITE TANDEM SOLAR CELLS BASED ON DUAL PHOTON-TRAPPERS	Dr. J Merline Shyla, Loyola College, Chennai, Tamil Nadu,	2885492
739	Physical Sciences	Physical Sciences	Galactic Evolution Of Neutron-Capture Elements : Insight From Chemical Analysis Of Carbon-Enhanced Metal-Poor Stars	Dr. Aruna Goswami, Indian institute of Astrophysics, Bangalore, Karnataka,	1799228
740	Physical Sciences	Physical Sciences	Study Of The Energy Transfer Between Fluorescent Proteins And Synthesized A Few Noble Metal Nanoparticles Of Different Size And Shape.	Dr. Ratan Das, Tripura University, West Tripura, Tripura,	2873607
741	Physical Sciences	Physical Sciences	GRAPHENE OXIDE DECORATED METAL OXIDE THIN FILMS ON FLEXIBLE SUBSTRATES FOR HIGH PERFORMANCE ELECTROCHROMIC AND SUPERCAPACITOR APPLICATIONS	Dr. Ravi Ganesan, Alagappa University, Karaikudi, Tamil Nadu, 630003	3553550

742	Physical Sciences	Physical Sciences	Development Of Novel Bismuth (Bi) Based Double Perovskite Multiferroic Ceramics For Device Applications	Dr. Rajnish Kurchania, Maulana Azad National institute of Technology, Bhopal, Madhya Pradesh, 462051	4832520
743	Physical Sciences	Physical Sciences	Microwave Synthesis And Characterization Of Zinc Aluminate Based Nanophosphors For Display And Biomedical Applications	Dr. Anila E I, Union Christian College, Aluva, Kerala,	2408560
744	Physical Sciences	Physical Sciences	Signature Of Space-Time Noncommutativity In High Energy Colliders	Dr. Mv Ramana Reddy, Osmania University, Hyderabad, Telangana, 500007	4253480
745	Physical Sciences	Physical Sciences	INVESTIGATION OF THE PROPERTIES OF 2-D MATERIALS FOR THE DEVICE FABRICATION AND ITS BIOSENSING APPLICATION	Dr. Kriti Sharma, G G D S D College, Chandigarh, Chandigarh, 160030	2431000
746	Physical Sciences	Physical Sciences	Tuning Of SPR Of Metal-Fullerene Nanocomposite By Thermal Treatment	Dr. Rahul Singhal, Malviya National institute of Technology, Jaipur, Rajasthan,	2934899
747	Physical Sciences	Physical Sciences	Understanding Dynamics Of Magnetostructural Coupling In Manganese Intermetallics Exhibiting First Order Transition	Dr. Kaustubh R Priolkar, Goa University, Taleigao Plateau, Goa, 403208	4116066
748	Physical Sciences	Physical Sciences	Investigations Of The Effects Of Photon Up-Conversion Materials On The Electrical Performance Of Ferroelectric/Semiconductor Heterojunction Photovoltaic Devices.	Dr. Souvik Kundu, Birla institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana, 500078	3563997
749	Physical Sciences	Physical Sciences	Creating Magnetic Interface In Non-Magnetic Organic Thin Films For Spintronic Applications	Dr. Subhankar Bedanta, National institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	6075520
750	Physical Sciences	Physical Sciences	NON THERMAL ATMOSPHERIC PRESSURE PLASMA JET FOR CANCER TREATMENT APPLICATIONS	Dr. S K S Parashar, KiiT University, Bhubaneswar, Orissa, 751024	7615520

751	Physical Sciences	Physical Sciences	Thin Film Solar Cells Using Eco-Friendly And Earth-Abundant Semiconductors Employing Vacuum-Free Technique	Dr. K P Vijayakumar, Cochin University of Science and Technology, Kochi, Kerala,	2995520
752	Physical Sciences	Physical Sciences	Synthesis And Characterization Of Novel 2D Metal Carbides (MXenes) For Energy Conversion And Storage Applications	Dr. O P Pandey, Thapar institute of Engineering & Technology, Patiala, Punjab,	4066260
753	Physical Sciences	Physical Sciences	Magnetars With Superfluid Core	Dr. Monika Saha, Indian institute of Technology Jodhpur, Jodhpur, Rajasthan,	2060082
754	Physical Sciences	Physical Sciences	Topological States Of Superconducting Nanowires And Interacting Light-Matter Systems At Nano Scales	Dr. Sujit Sarkar, Poornaprajna institute of Scientific Research, Bangalore, Karnataka, 560080	1734264
755	Physical Sciences	Physical Sciences	Investigations Of Microwave Absorption Properties Of Some Magnetic Nanoparticles Encapsulated In Multi-Walled Carbon Nanotubes And/Or Graphene	Dr. Pabitra Kumar Chakrabarti, University of Burdwan, Burdwan, West Bengal, 713101	5534717
756	Physical Sciences	Physical Sciences	Optical-Waveguide Sensor For Accurate Detection Of Bio-Contaminant In Drinking Water	Dr. Saurabh Mani Tripathi, Indian institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	6075520
757	Physical Sciences	Physical Sciences	Synthesis Of Triazolopyrimidine-Based Iridinium (III) Complexes: Application To The Fabrication Of OLEDs	Dr. Tushar Dhabal Das, National institute of Technology Arunachal Pradesh, Papumpare, Arunachal Pradesh,	5092560