

Science & Engineering Research Board

ECRA Projects Sanctioned in the Year 2018-19

S. No.	Discipline	Title	PI Details	Total Cost
1	Chemical Sciences	Porous Fluorinated Graphene Composites With Superhydrophobic-Superoleophilic Properties Towards Oil Recovery Prototypes And Oil Spill Clean-Up	Dr. Kasibhatta Kumararamanathadatta, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	3229000
2	Chemical Sciences	Mechanism Of Hydroxide Ion Transfer Through Anion Exchange Membrane In Anion Exchange Membrane Fuel Cell: Investigation Using Molecular Dynamics Simulation	Dr. Snehasis Daschakraborty, Indian Institute of Technology Patna, Patna, Bihar, 801103	2365000
3	Chemical Sciences	Ab Initio Modeling Of Defects In Nanoscale Materials	Dr. Arun Kumar Manna, Indian Institute of Technology Tirupati, Tirupati, Andhra Pradesh, 517506	2640000
4	Chemical Sciences	Advancing The Highly Efficient, Exploratory And Cost-Effective Organic Bulk Heterojunction-Perovskite Hybrid Solar Cells.	Dr. Murali Banavoth, University of Hyderabad, Hyderabad, Telangana, 500046	3190000
5	Chemical Sciences	Singlet Fission Via Extended Aromaticity Of Azaacenes (SFEAA): Novel Material For Potential Solar Cell Applications.	Dr. Sandeep Pandharinathrao More, Institute of Chemical Technology, Mumbai, Maharashtra, 400019	2475000
6	Chemical Sciences	Photosalinet (PS) And Piezoelectric (PE) Synergic Coupling-Development And Optimization Of Smart Hybrid Composites For Small Scale Energy Harvesting	Dr. Subhash Chandra Sahoo, Panjab University, Chandigarh, Chandigarh, 160014	2750000
7	Chemical Sciences	A Novel Approach For The Synthesis Of Privileged Structural Motifs Of The Drug Molecules And Natural Products: The Transition Metal Catalyzed C-H Activation Strategies And It's Applications	Dr. Ramesh Bhausahab Dateer, Jain University, Ramanagara, Karnataka, 562112	2198000
8	Chemical Sciences	Identification Of An Optimized Foldability Criterion For Computational Protein Design Against Misfolding	Dr. Anupaul Baruah, Dibrugarh University, Dibrugarh, Assam, 786004	2701000
9	Chemical Sciences	Tandem Annulations Involving Metallocarbenes: Towards Diverse Molecular Architectures	Dr. Sandip Murarka, Indian Institute of Technology Jodhpur, Jodhpur, Rajasthan, 342011	3300000

10	Chemical Sciences	Exploring The Mechanism Of Direct Decomposition Of NO Over Metal-Loaded Zeolites	Dr. Sajith P.K., Farook College, Kozikode, Kerala, 673632	3487000
11	Chemical Sciences	Development Of Base-Metal Catalysts Employing Redox Activity Of Conjugated, Non-Innocent Ligand Backbones	Dr. Debashis Adhikari, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	1870000
12	Chemical Sciences	Fabricating Novel Sodium Metal-Oxide Cathode Materials For Rechargeable Batteries: A Ternary Diagram Approach	Dr. Madhu Chennabasappa, Siddaganga Institute of Technology, Tumkur, Karnataka, 572103	2888000
13	Chemical Sciences	Studies & Application Of Unprecedented Sulfonium Iodate(I) Reagent In Selective Functionalization Of C-C Multiple Bond	Dr. Sudhir Kashyap, Malaviya National Institute of Technology, Jaipur, Rajasthan, 302017	3999000
14	Chemical Sciences	Designing Heterocyclic N-Donor-Based Extractants For Actinide And Lanthanide Separation In Nuclear Waste Treatment - A Computational Study	Dr. Vijay Solomon, Madras Christian College, Chennai, Tamil Nadu, 6000059	3504000
15	Chemical Sciences	Degradation Mechanisms In Lithium-Ion Batteries With Emphasis On Corrosion	Dr. Aiswarya Bhaskar, Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu, 630006	3840000
16	Chemical Sciences	MoS ₂ /S ₄ Integrated Porous Surfaces For Catalytic Hydrogen Generation Via Water Splitting	Dr. Prakash Kanoo, Central University of Haryana, Mahendragarh, Haryana, 123001	3999000
17	Chemical Sciences	Molecular Recognition And Sensing At The Lipid Bilayer-Water Interface And Inside The Lipid Membrane	Dr. Samit Guha, Jadavpur University, Kolkata, West Bengal, 700032	4604000
18	Chemical Sciences	Development of Molecular Electrocatalysts For Water Oxidation	Dr. Sayantan Paria, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	3740000
19	Chemical Sciences	QM + MM Chemical Dynamics On Chemical Reactions And Non-Adiabatic Processes In Condensed Phase Molecular Systems	Dr. Amit Kumar Paul, National Institute of Technology Meghalaya, Shillong, Meghalaya, 793003	3658000
20	Chemical Sciences	Rational Design And Fabrication Of Metal Nanoparticles Decorated Titania Nanotubes Array For Photoelectrocatalytic Conversion Of Carbon Dioxide Into Solar Fuels	Dr. Pandikumar Alagarsamy, Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu, 630006	3595000

21	Chemical Sciences	Insights Into The Interplay Of H ₂ S And NO At Redox Active Metal Sites	Dr. Subrata Kundu, Indian Institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala, 695016	3740000
22	Chemical Sciences	Development Of Residual Chemical Shift Anisotropy Based NMR Methods For Determination Of Small Molecule Constitutions And Configurations	Dr. Nilamoni Nath, Gauhati University, Guwahati, Assam, 781014	3212000
23	Chemical Sciences	Chiral Metal-Organic Frameworks For Sustainable Asymmetric Catalysis	Dr. Kuntal Manna, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	3740000
24	Chemical Sciences	Biomimetic Nonheme Manganese-Dioxygen Complexes In Oxidation Reactions	Dr. Sundaravel Karuppasamy, Bharathiar University, Coimbatore, Tamil Nadu, 641046	2613000
25	Chemical Sciences	Quantum Chemical Investigations On Microhydration Of Carbohydrates: Xylopyranose, Xylofuranose, And Phenylxylosides.	Dr. Sachin Dilip Yeole, Bhusawal Arts Science and P O Nahata Commerce College, Jalgaon, Maharashtra, 425201	3210000
26	Chemical Sciences	Understanding The Correlation Between Ligand Binding Affinities And Atomic Scale Dynamics In Modulating Intra Protein Allosteric Communication In Proteins Not Associated With Conformational Changes?	Dr. Vipin Agarwal, Tata Institute of Fundamental Research Centre for Interdisciplinary Sciences, Hyderabad, Telangana, 500075	2482000
27	Chemical Sciences	Designing Of Selective, Biocompatible Hydrate Promoters To Enhance Carbon Dioxide - Methane Exchange In Natural Gas Hydrates	Dr. Manju Sharma, University of Hyderabad, Hyderabad, Telangana, 500046	2607000
28	Chemical Sciences	Multi-Stimuli Responsive Functional Molecular Materials: Design, Synthesis And Applications	Dr. Sanjib Banerjee, Indian Institute of Technology Bhilai, Bhilai, Chhattisgarh, 492015	4678240
29	Chemical Sciences	Catalytic Asymmetric Dearomatization Of (Het)Arenes Via Decarboxylative Cycloaddition: Synthesis Of Natural Product-Inspired Novel Scaffolds For Drug Discovery	Dr. Nilanjana Majumdar, Central Drug Research Institute, Lucknow, Uttar Pradesh, 226031	4168240
30	Chemical Sciences	Electrocatalytic Remediation For Ammonia Production At Ambient Condition: An Efficient Carbon-Free Hydrogen Carrier For Polymer Electrolyte Fuel Cells	Dr. Sreekuttan M U, Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu, 630006	3038360

31	Chemical Sciences	Chalcogenide Catalysis For Enantioselective Olefin Functionalization And Synthesis Of Biologically Relevant Compounds	Dr. Chandra Bhushan Tripathi, Central Drug Research Institute, Lucknow, Uttar Pradesh, 226031	2721000
32	Chemical Sciences	C-H Activation Derived Novel Π -Conjugated Organic Electronic Compounds For Sensing And Optoelectronic Applications	Dr. Rajeswara Rao Malakalapalli, Indian Institute of Technology Dharwad, Dharwad, Karnataka, 580011	3707240
33	Chemical Sciences	Towards Practical Alkali Metal-Oxygen Batteries: Electrolyte And Air-Electrode Optimization For Enhanced Discharge Capacity, Rechargeability And Long Cycle Life	Dr. Naga Phani Babu Aetukuri, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	2332000
34	Chemical Sciences	Continuous Flow Photochemistry: Visible Light Induced C-H Functionalization And C-C/C-X Bond Formations To Access Valuable Heterocycles And Natural Products	Dr. Ram A Maurya, North East Institute of Science & Technology, Jorhat, Assam, 785006	2779000
35	Chemical Sciences	Towards Developing Flexible Miniaturized Lithium-Sulfur Batteries	Dr. Debasis Ghosh, Jain University, Ramanagara, Karnataka, 562112	3435360
36	Chemical Sciences	Rational Design And Synthesis Of Functionalized Metal-Organic Frameworks/Gels For Biomimetic Heterogeneous Catalysis	Dr. Debajit Sarma, Indian Institute of Technology Patna, Patna, Bihar, 801103	2431000
37	Chemical Sciences	Synthesis Of Biologically Relevant Privileged Heterocycles By Metal-Catalyzed C-H Bond Functionalization With Diazo Compounds	Dr. Malleswara Rao Kuram, Central Drug Research Institute, Lucknow, Uttar Pradesh, 226031	3315240
38	Chemical Sciences	Development Of Liquid-Liquid Interfaces Using Silica Membrane: Implications In Label-Free Sensing Of Neurotransmitters	Dr. Krishnan Giribabu, Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu, 630006	2556120
39	Chemical Sciences	Activation Of Small Molecules And Hydrofunctionalizations By Cooperative Catalysis With Sustainable First Row Transition Metals And Non-Innocent Ligands.	Dr. Bidraha Bagh, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	3498240
40	Chemical Sciences	Polymer Based Cross-Linked Nanoassemblies As A Smart Nanocarrier And Its Triggered Supramolecular Disassembly For Targeted Drug Delivery: Concept, Production And Biological Assessment	Dr. Mijanur Rahaman Molla, University of Calcutta, Kolkata, West Bengal, 700073	4480170

41	Chemical Sciences	Computational Investigation On The Origin Of Stereoselectivity In Asymmetric Cooperative Reactions	Dr. Hemanta Kumar Kisan, Utkal University, Bhubaneswar, Orissa, 751007	4140000
42	Chemical Sciences	Enzyme Dynamics In Cytosolic Milieu: A New Perspective On Intracellular Mechanics And Transport.	Dr. Krishna Kanti Dey, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	3630000
43	Chemical Sciences	Synthetic Oligomers as Inhibitors of Protein-DNA Interactions: Towards Novel Cancer Therapeutics	Dr. Panchami Prabhakaran, Central University of Gujarat, Gandhinagar, Gujarat, 382030	4334760
44	Chemical Sciences	Functionalized Microcapsules For Cell-Based Drug Screening	Dr. Subinoy Rana, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	3168800
45	Chemical Sciences	Leveraging Aldehyde-Derivatized Proteins For Developing New Bioconjugation Methods.	Dr. Dimpy Kalia, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	2400000
46	Chemical Sciences	Mimicking Natural Light Harvesting Via FRET In Single Chain Nanoparticles: Controlling Intramolecular Folding And Photochemistry Through Donor-Acceptor Scaffold	Dr. Roop Shikha Singh, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	2761240
47	Chemical Sciences	Highly Conjugated Supramolecular Organometallic Architectures Bearing Polycarbene Ligands: Redox-Activity, Cooperativity, Molecular Hosts And Selective Organic Transformations	Dr. Ramananda Maity, University of Calcutta, Kolkata, West Bengal, 700073	3722000
48	Chemical Sciences	Non-Adiabatic And Quantum Nuclear Effects Near Metal Surfaces	Dr. Amber Jain, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	4139360
49	Chemical Sciences	Design And Syntheses Of Double Frustrated Lewis Pair Systems: A Single Molecule For Double Activation	Dr. Arup Mukherjee, Indian Institute of Technology Bhilai, Bhilai, Chhattisgarh, 492015	4917240
50	Chemical Sciences	Bio-Compatible Organic-Inorganic Lipid-Polymer Blended Nanoscale Composites For Drug Delivery	Dr. Rakesh Kumar Pathak, Indian Institute of Science Education and Research Berhampur, Ganjam, Orissa, 760010	3102000

51	Chemical Sciences	“Metallaphotoredox Catalyzed Remote (B & Γ) C(Sp ³)-H Trifluoromethylation & Acylation Of Carboxamides”	Dr. Gopinath Purushothaman, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	3043120
52	Chemical Sciences	Self-Organization Of Linearly Fused Polycyclic Heteroaromatic Compounds Into Ordered Functional Materials Via ‘Hydrophobic Amphiphilic’ Approach: Rational Design, Synthesis, And Utilization For Optoelectronics, Energy Storage, And Conversion.	Dr. Venkata Rao Kotagiri, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	3531000
53	Chemical Sciences	3d-Transition Metal Complexes Of Non-Heme Nitrogen Donor Aryl Amido Functionalized Macrocyclic Ligands: Synthesis, Characterisation And Reactivity Studies	Dr. Subhas Samanta, Indian Institute of Technology Jammu, Jammu, Jammu And Kashmir, 181221	4240940
54	Chemical Sciences	Metal-Catalyzed Enantioselective Difunctionalization Of Fleeting Arynes & Cyclic Alkynes Intermediates	Dr. Ganesh Venkataraman, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	3872000
55	Chemical Sciences	Development Of Hypervalent Iodine(III) Reagents Mediated Photocatalytic Si-H Functionalization And Exploration Of Distal Group Migration	Dr. Selvakumar Sermadurai, Central University of Haryana, Mahendragarh, Haryana, 123001	4261000
56	Chemical Sciences	Desorption Electrospray Ionization Mass Spectrometric Imaging For Rapid Molecular Diagnosis Of Nephrotic Syndrome	Dr. Shibdas Banerjee, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	3300000
57	Chemical Sciences	Development Of Novel Label-Free Functional Nucleic Acid-Amplification Biosensors For Early Detection Of Mosquito-Borne Diseases	Dr. Souradyuti Ghosh, Bennett University Noida, Noida, Uttar Pradesh, 201303	3102800
58	Chemical Sciences	Supramolecular Engineering In Biodegradable Polymers By Directional Halogen-Bonding Interactions: A Strategy Towards New Class Of Biodegradable Polymeric Materials	Dr. Anindita Das, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	1892000
59	Chemical Sciences	Intrinsically Disordered Proteins (IDPs) Under Macromolecular Crowding	Dr. Surajit Rakshit, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	3998240
60	Chemical Sciences	Utilisation And Transformation Of CO ₂ : A DFT Study On Pd- And Ni- Catalysed Carboxylation Of Organic Halides With CO ₂ .	Dr. Prabha Vadivelu, Central University of Tamilnadu, Thiruvarur, Tamil Nadu, 610001	2854000

61	Chemical Sciences	Molecular Mechanism Of Regulation Of Rho GTPases Through Phosphorylation Of RhoGDI: Towards Unraveling The "Phosphorylation Code" Using Computational Methods	Dr. Suman Chakrabarty, S N Bose National Centre for Basic Sciences, Kolkata, West Bengal, 700098	3196600
62	Chemical Sciences	Synthesis, Design And Stimuli-Responsive Functionalities In Switchable Inorganic Materials: From Bulk To Single-Molecule	Dr. Pradip Kumar Chakraborty, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	2816000
63	Chemical Sciences	Induced Co-Electrodeposition Of Refractory (Mo, Re, W) - Transition Metal (Co, Fe, Ni) Alloys From Ionic Liquids For High Performance Engineering Applications	Dr. Jayakumar M, Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu, 630006	2664120
64	Chemical Sciences	Photo-Organocatalytic C-F Bond Activation; Asymmetric Synthesis Of Difluorobenzylated Compounds	Dr. Indranil Chatterjee, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	2541000
65	Chemical Sciences	Metal Flatlands (Atomically Thin Two-Dimensional Metals): Designing, Properties And Applications	Dr. Ravinder Pawar, National Institute of Technology Warangal, Warangal, Telangana,	4116740
66	Chemical Sciences	A Rational Design Of Charge-Transfer Mediated Plastic Ferroelectric Polymers	Dr. Raj Kumar Roy, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	3322000
67	Chemical Sciences	Understanding Elementary Processes In Surface Chemistry Using Quantum State Resolved Molecular Beam – Surface Scattering Experiments	Dr. Pranav Ravindra Shirhatti, Tata Institute of Fundamental Research Hyderabad, Hyderabad, Telangana,	2882000
68	Chemical Sciences	Investigation On Stochastic Thermodynamics Of Entropic Information: Aiming To Beat The Landauer's Limit	Dr. Debasish Mondal, Indian Institute of Technology Tirupati, Tirupati, Andhra Pradesh, 517506	3102000
69	Chemical Sciences	Controlled Molecular Transportation Through Engineered Nanopores: Design And Application In Biomedical Sciences	Dr. Sudipta Kumar Sinha, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	2717000
70	Chemical Sciences	Rational Development Of Surface Engineered Perovskite Nanocrystals And Understanding Their Photophysical Properties	Dr. Arunasish Layek, Adamas University, Kolkata, West Bengal, 700126	3124000

71	Chemical Sciences	Design, Preparations And Utilizations Of "Sulfonimidoyl Hydrazides" As Novel Precursors To Construct Difficult-To-Access Synthetically And Biologically Important "Sulfoximines"	Dr. Ganesh Chandra Nandi, National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	3696240
72	Chemical Sciences	Multidomain Protein Dynamics And Their Functional Implications: A Single Molecule Force Spectroscopic Study.	Dr. Soumit Sankar Mandal, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	4092000
73	Chemical Sciences	Metal-Oxide Super-Fullerene Delivers A Versatile Platform For Catalytic Water Splitting Under Confinement: Investigating The Beauty Of Encapsulation Chemistry Inside The Nano-Cavity	Dr. Somenath Garai, National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	3806240
74	Chemical Sciences	Thienylpyrrole Based Organic Sensitizers (D- π -A) With Donor Units Of Dithiafulvenyl For The Solar Cell Applications	Dr. Kishore Ravada, Gitam University, Vishakhapattanam, Andhra Pradesh, 530045	2842000
75	Earth & Atmospheric Sciences	Development Of Artificial Neutral-Network Based 3-Dimensional Ionospheric Model (ANNIM)	Dr. Tulasiram Sudarsnam, Indian Institute of Geomagnetism, Mumbai, Maharashtra, 410218	1983640
76	Earth & Atmospheric Sciences	Short-Term Variability In Sun-Synchronous And Non-Sun Synchronous Tides In The Middle Atmosphere From Investigations Of Contemporaneous Satellite, Model And Reanalysis Data	Dr. Uma Das, Indian Institute of Information Technology Kalyani, Kalyani, West Bengal, 741235	2030640
77	Earth & Atmospheric Sciences	Understanding And Modeling The Reactive Transport Of Uranium Contaminated Groundwater Of Malwa Region, Punjab.	Dr. Vijay Anand Loganathan, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	2810880
78	Earth & Atmospheric Sciences	Atmospheric Rivers And Extreme Precipitation Over India.	Dr. Munir Admad Nayak, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	2112760
79	Earth & Atmospheric Sciences	An Innovative Approach For Development Of An Efficient And Integrated Algae Bioenergy Production System Using Biosynthesized Nanoparticles	Dr. Kiran Bala, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	3330000
80	Earth & Atmospheric Sciences	Role Of Crystalline And Non-Crystalline Nano-Clays In Stabilization Of Organic Carbon In Pedogenetically Important Soil Orders Of Tropical India	Dr. Ranjan Paul, National Bureau of Soil Survey and Land Use Planning, Nagpur, Maharashtra, 440010	3089200
81	Earth & Atmospheric Sciences	Identification Of Key Indicators And Establishment Of Their Critical Limits In Assessing Soil Health Under Different Agro-Ecological Regions Of India	Dr. Sunanda Biswas, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	3217800

82	Earth & Atmospheric Sciences	Insights Into The Metallogenesis, Tectonic Elements, Fluid Evolution And Controls Of Copper Mineralization Around Mundiawas Area, Alwar District, Rajasthan: Implications For Exploration	Dr. Prabodha Ranjan Sahoo, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	1911200
83	Earth & Atmospheric Sciences	Field VALIDation of BIOMarkers (VALIDBIO) For Monitoring of Pollution In Water Bodies	Dr. Kanchan Kumari, National Environmental Engineering Research Institute, Nagpur, Maharashtra, 440020	2664200
84	Earth & Atmospheric Sciences	Study Of Heterogeneous Precipitation Patterns With The Help Of Aerosol - Cloud Properties: Focus On Western India And Arabian Sea	Dr. Rohit Srivastava, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, 382007	2066600
85	Earth & Atmospheric Sciences	Evaluation of Monsoonal Urban Heat Island And Its Effect On Local Monsoon Onset And Heavy Rainfall Climatology Over Indian Summer Monsoon	Dr. Hiteshri Kamlesh Shastri, Charotar University of Science and Technology, Anand, Gujarat, 388421	1617000
86	Earth & Atmospheric Sciences	Exploring Endophytic Fungi For Phytoremediation Of Heavy Metal Contaminated Soils	Dr. Asit Mandal, Indian Institute of Soil Science Bhopal, Bhopal, Madhya Pradesh, 462038	3722200
87	Earth & Atmospheric Sciences	Dynamics Of Coral-Macroalgal Communities In Gulf Of Mannar Reef: Environmental Thresholds And Repercussions On Coral Calcification	Dr. Manikandan Balakrishnan, National Institute of Oceanography, Goa, Dona Paula, Goa, 403004	3338600
88	Earth & Atmospheric Sciences	Complexation Of Selenate And Selenite To Natural Organic Matter (NOM): Insight From X-Ray Absorption Spectroscopy (XAS) And Implication For Selenium Bioavailability In Soil And Aquatic Environments	Dr. Ashis Biswas, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	3643200
89	Earth & Atmospheric Sciences	Can Seaweed Contribute Towards Sustainable Future By Playing A Role In Climate Change Mitigation And Adaptation?	Dr. Amit Kumar, Sathyabama University, Chennai, Tamil Nadu, 600119	2953500
90	Earth & Atmospheric Sciences	Dynamics Of Waterlogging And Drainage Congestion In The Kosi Fan.	Dr. Kumar Gaurav, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	2139360
91	Earth & Atmospheric Sciences	Reconstruction Of Long-Term Soil Moisture Evaporation In Drought Prone Bundelkhand And Vidarbha Regions Using Tree-Ring Cellulose Isotope Data	Dr. Trina Bose, Birbal Sahni Institute of Palaeosciences, Lucknow, Uttar Pradesh, 226007	4611000

92	Earth & Atmospheric Sciences	Developing Multi-Scale Adaptation Strategies For Sustainable Intensification Of Rice-Wheat Cropping System Using APSIM Model	Dr. Ram Swaroop Bana, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	1882800
93	Earth & Atmospheric Sciences	Optimizing Soil Organic Carbon Stock In Rice Based Cropping System Under Irrigated Ecosystem.	Dr. Rachana Dubey, Icar Indian Institute of Water Management, Bhubaneswar, Bhubaneswar, Orissa, 751023	4358800
94	Earth & Atmospheric Sciences	Investigation Of Rainfall Vertical Structure And Rainfall Induced Erosivity Over A Garhwal Himalayan Station Using In-Situ Observation And Modeling	Dr. Sandipan Mukherjee, G B Pant Institute of Himlayan Environment and Development, Almora, Uttarakhand, 263643	5348120
95	Earth & Atmospheric Sciences	Quantification Of Regional Sources And Sinks Of CO ₂ Over India: Developing A High-Resolution Modeling System For Accounting Variations Of Atmospheric CO ₂ Mole Fraction At The Scale Of Ecosystem And Political Borders	Dr. Dhanyalekshmi K Pillai, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	2650240
96	Earth & Atmospheric Sciences	Active Geodynamics, Evolution, Structure And Deformation Analysis Of Indo-Burman Wedge	Dr. Debasis Mohanty, North East Institute of Science & Technology, Jorhat, Assam, 785006	1340000
97	Earth & Atmospheric Sciences	Prediction Of Extreme Severe Cyclonic Storms Over North Indian Ocean Using High Resolution Numerical Modeling System For Disaster Preparedness	Dr. Kuvar Satya Singh, Madanapalle Institute of Technology & Science, Chittoor, Andhra Pradesh, 517325	1907000
98	Earth & Atmospheric Sciences	Geochemical Studies Of Volcanic Rocks From Andaman Arc-Back Arc System: Implications On Geodynamic Evolution Of Andaman Basin	Dr. Abhishek Saha, National Institute of Oceanography, Goa, Dona Paula, Goa, 403004	2778240
99	Earth & Atmospheric Sciences	Platinum-Group Element (PGE) Geochemistry Of Archean Greenstone Belt-Hosted Komatiites From The Western Dharwar Craton: Implications For Magmatic Ni-Cu Sulfide Mineralization And Chemical Nature Of The Archean Mantle	Dr. Ria Mukherjee, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	2871240
100	Earth & Atmospheric Sciences	A Primary Investigation Of Submarine Groundwater Discharge (SGD) And Its Influence On Coastal Water Quality Along The South East Coast Of Tamil Nadu, India	Dr. Selvam S, V O Chidambaram College, Coimbatore, Tamil Nadu, 628008	3432120
101	Earth & Atmospheric Sciences	Assessing The Impact Of Salinity On Phosphate Solubilizing Microbes For Sustainable Mitigation Of Phosphorus Deficiency In Saline Soils	Dr. Vishal Prasad, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	3421240

102	Earth & Atmospheric Sciences	Development Of Rainfall Intensity Duration Frequency (IDF) Curves Over India Under Non-Stationary Climatic Conditions	Dr. Kasiviswanathan Ks, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	2198000
103	Earth & Atmospheric Sciences	Configuration Of Tectono-Magmatic Deformation Structures In Bundelkhand Craton: Constraints For The Evolution Of Syn-Tectonic Granitoid And Fluid Induced Reactivation Of Brittle Shear Zones	Dr. Sayandeep Banerjee, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	2607240
104	Earth & Atmospheric Sciences	A Novel Approach to Model Soil Desertification Risk in Vellore District Using Multispectral And Microwave Remote Sensing Techniques	Dr. Shoba P, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	2116000
105	Earth & Atmospheric Sciences	Understanding The Depositional Environment And Its Control Over Active And Relict Seep Fluid/Gas Migration, Gas Hydrate Formation And Geohazards (Seafloor Stability) In Krishna Godavari (KG) Basin Using Modern Geophysical Techniques	Dr. Sriram Gullapalli, National Institute of Oceanography, Goa, Dona Paula, Goa, 403004	1954240
106	Earth & Atmospheric Sciences	Traces of Predation On Molluscs From The Middle Cretaceous Uttattur Group Of Southern India: A Spatio-Temporal Comparison.	Dr. Sumanta Mallick, Triveni Devi Bhalotia College, Barddhaman, West Bengal, 713383	618000
107	Earth & Atmospheric Sciences	Investigating The Influence Of Crop Canopy Architecture On The Dynamics Of Spatio-Temporal Light Distribution And Its Effect On Photosynthesis, Transpiration And Crop Yield	Dr. Venkataraman Srinivasan, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	4078360
108	Earth & Atmospheric Sciences	Synthesis Of Biopolymer Nanocomposites (BPNC) And Their Application In Water Purification	Dr. Monika Jain, Banda University of Agriculture and Technology, Banda, Uttar Pradesh,	3412120
109	Earth & Atmospheric Sciences	Ecohyrological Assessment Of Eutrophicated Water Bodies – Monitoring Algal Blooms (Algal Toxins), Water Quality And Developing Techniques To Reduce Eutrophication	Dr. Nayanmoni Gogoi, Tezpur University, Tezpur, Assam, 784028	2621920
110	Earth & Atmospheric Sciences	Tectonic Evolution Of Bavali Shear Zone And Its Gondwana Connection: A Structural, Metamorphic And Chronological Analysis	Dr. Rekha S, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	2358000
111	Engineering Sciences	To Propose An Optimize Resource Allocation Schemes Framework For Device Tier Communication For 5G Cellular Networks	Dr. Pavan Kumar Mishra, National Institute of Technology Raipur, Raipur, Chhattisgarh, 492010	1479680

112	Engineering Sciences	Low Pressure Ammonia Synthesis Using Nitrides As Catalysts	Dr. Sushant Kumar, Indian Institute of Technology Patna, Patna, Bihar, 801103	3308490
113	Engineering Sciences	Design And Development Of Dogbone Metamaterial Based Electromagnetic Cloaking For Microwave Applications	Dr. Sarin V P, Government College Chittur, Palakkad, Kerala, 678104	2970000
114	Engineering Sciences	Investigation Of Time-Frequency Approach To Speech Communication In Real Acoustic Environments Using Spherical Arrays	Dr. Lalan Kumar, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	4875225
115	Engineering Sciences	Phonetic And Prosodic Analysis Of Khasi Language	Dr. Chevula Venkata Ramarao, National Institute of Technology Meghalaya, Shillong, Meghalaya, 793003	1613280
116	Engineering Sciences	Development Of Techniques To Improve The Targeting Accuracy Of Surgical Navigation Systems	Dr. Ramya Balachandran, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	4654010
117	Engineering Sciences	Study, Design And Implementation Of Frequency Selective Metasurfaces For Microwave Applications	Dr. Somak Bhattacharyya, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	4670620
118	Engineering Sciences	Self-Cleaning Ultrathin Microgel Membranes For Clean Water And Separation Applications	Dr. Bijay Prakash Tripathi, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	4872980
119	Engineering Sciences	Improvement Of Fatigue And Ductile Fracture Behavior Of Steel And Aluminium Alloy Specimens By Application Of Pulsed Electric Current	Dr. Surajit Kumar Paul, Indian Institute of Technology Patna, Patna, Bihar, 801103	2072400
120	Engineering Sciences	Fundamental Algorithms Based On Convex Programming And Spectral Methods	Dr. Anand Louis, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1988380
121	Engineering Sciences	Design, Development And Demonstration On Biochar Production Strategies For Sustainable Agricultural Livelihoods	Dr. Balasubramanian P, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	3009600
122	Engineering Sciences	Topological Changes In DAE Networks	Dr. Deepak Umakant Patil, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1552980
123	Engineering Sciences	Simultaneous Removal Of NOX And SO ₂ From The Flue Gas: A Low Temperature Ozone Based Process	Dr. Snigdha Khuntia, Ahmedabad University, Amreli, Gujarat, 380009	4329600

124	Engineering Sciences	Study and Implementation of Generative Adversarial Networks (GANS) For Image Super-Resolution: Application to Images Captured Using Cctv Camera	Dr. Kishor Parsottambhai Upla, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, 395007	2303180
125	Engineering Sciences	A Data-Intensive Groundwater Modelling Approach for Evaluating Sustainability Of Groundwater Use	Dr. Prasanna Venkatesh Sampath, Indian Institute of Technology Tirupati, Tirupati, Andhra Pradesh, 517506	2786820
126	Engineering Sciences	FFR Based Non-Orthogonal Spectrum Sharing Among Licensed Operators	Dr. Suman Kumar, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	3669600
127	Engineering Sciences	Control Of Multi-Agent Systems With Human Intervention	Dr. Ameer Kalandar Mulla, Indian Institute of Technology Dharwad, Dharwad, Karnataka, 580011	1634600
128	Engineering Sciences	Spin Orbit Torque Driven Magnetic Domain Wall And Skyrmion Based Devices For Artificial Neural Networks	Dr. Debanjan Bhowmik, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1799600
129	Engineering Sciences	Development Of A Risk Stratification System For Clinical Management Of Sickle Cell Disease Using Predictive Machine Learning Approaches.	Dr. Bikesh Kumar Singh, National Institute of Technology Raipur, Raipur, Chhattisgarh, 492010	1606930
130	Engineering Sciences	Characterizing The Flexoelectric Phenomena In Monolayer/Layered Hexagonal Boron Nitride Nanosheets And Development Of Their Nanoelectromechanical Systems	Dr. Shailesh Ishwarlal Kundalwal, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	1832600
131	Engineering Sciences	Mitigation Of Common Mode Issues In SiC Converter Fed Induction Motor Drive	Dr. Kalaiselvi Jayaraman, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	3329560
132	Engineering Sciences	Assessment Of The Relationship Between Global Climatic Precursors And Hydrological Extremes Through Probabilistic Graphical Models	Dr. Kironmala Chanda, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	2550170
133	Engineering Sciences	Formulation Of Bio-Functionalized Cosmetic Emulsions Using Biosurfactant And Essential Oil As Green Ingredients	Dr. Vivek R, Birla Institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	3027670
134	Engineering Sciences	Numerical Simulations Of Flow Over High-Lift Devices And Associated Airframe Noise	Dr. Arjun Sharma, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1509480

135	Engineering Sciences	Property Testing Of Probability Distributions With Conditional Samples And Applications To Cryptography	Dr. Rishiraj Bhattacharyya, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	1999690
136	Engineering Sciences	Energy Efficient Software-Defined Wide-Range Wireline Transceiver	Dr. Saurabh Saxena, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	5017100
137	Engineering Sciences	Understanding Collective Behavior In Online Social Networks	Dr. Tanmoy Chakraborty, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi,	2256520
138	Engineering Sciences	Adaptive Parameter Estimation And Adaptive Control Of Partial Differential Equations	Dr. Vivek Natarajan, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1613380
139	Engineering Sciences	Analysis Of Instabilities Under Nonlinear Deformation Of Membranes Made Of Smart Polymers	Dr. Prashant Saxena, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	1650600
140	Engineering Sciences	Design, Operation And Control Of Smart Transformer-Based Microgrid System	Dr. Chandan Kumar, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	5282500
141	Engineering Sciences	Confined Living Fluids – Bacterial Motility On Surfaces	Dr. Anubhab Roy, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	3141380
142	Engineering Sciences	Gallium-Nitride (GaN) Based High-Voltage RF Devices For Defence/Space Applications	Dr. Ankur Gupta, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	5495540
143	Engineering Sciences	Design And Evaluation Of Demosaicking Techniques For Low Cost And Efficient Multispectral Imaging Systems	Dr. Puneet Goyal, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	3142230
144	Engineering Sciences	Development And Hardware Implementation Of A Neuromorphic Audio-Visual Saliency Model And Deep Learning Architecture For Automated Surveillance Systems	Dr. Chetan Singh Thakur, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	3339600
145	Engineering Sciences	Ventilation Augmented Supercavitating Turbine (VAST) Technology For Next-Generation Hydropower	Dr. Ashish Karn, University of Petroleum and Energy Studies, Dehradun, Uttarakhand, 248007	4029930

146	Engineering Sciences	Symmetry-Aware Verification Framework For Concurrency	Dr. Subodh Vishnu Sharma, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	2152370
147	Engineering Sciences	Simulation-Based Optimization In A Cumulative Prospect Theory Framework	Dr. Prashanth L A, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	4590210
148	Engineering Sciences	Achieving Improved Operation Of Six Pulse Dc Bus Electrolytic Capacitor-Less Three Phase Inverter	Dr. Anirban Ghoshal, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	2329750
149	Engineering Sciences	Design And Development Of Co-Axial Synthetic Jet For Electronics Cooling	Dr. Venugopal Arumuru, Indian Institute of Technology Bhubaneswar, Bhubaneshwar, Orissa, 751013	3210970
150	Engineering Sciences	A Robust Medical Image Forensics System For Smart Healthcare	Dr. Tanima Dutta, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	1407870
151	Engineering Sciences	Analytical Modelling And Simulation Of III-V Nanostructure Based Hybrid Solar Cells	Dr. Dip Prakash Samajdar, Pdpn Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, Madhya Pradesh,	2670170
152	Engineering Sciences	Microfluidic Approach To Study Mechanical And Fluid Dynamic Changes Caused By Biochemical Stimuli Leading To Endothelial Dysfunction	Dr. Priya Gambhire, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	3549700
153	Engineering Sciences	Development Of Metal Matrix Nano-Composites Using Selective Laser Melting Process	Dr. Anirban Bhattacharya, Indian Institute of Technology Bhubaneswar, Bhubaneshwar, Orissa, 700103	5289290
154	Engineering Sciences	New Insights Into The Localised Corrosion Of Advanced Metallic Alloys Using Electron Microscopy	Dr. Sairama Krishna Malladi, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	5247630
155	Engineering Sciences	Energy Efficient 5G Hybrid Optical Wireless Communication System Based On High-Speed FSO/VLC Interconnections	Dr. Sanya Anees, Indian Institute of Information Technology Guwahati, Guwahati, Assam, 781001	2417250

156	Engineering Sciences	Development of Tailor Made Spur Gears For Light Weight And Heavy Duty Power Transmission Systems	Dr. Satheeskumar V, National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	1716950
157	Engineering Sciences	A Low-Cost, High Resolution Optoacoustic Imaging System For Diagnosing And Monitoring Rheumatoid Arthritis	Dr. Rusha Patra, Indian Institute of Information Technology Guwahati, Guwahati, Assam, 781001	3174600
158	Engineering Sciences	Continuous Polymorphic Crystallisation Of Active Pharmaceutical Ingredients In A Slug-Flow-Cooling-Crystalliser	Dr. Jose Varghese Parambil, Indian Institute of Technology Patna, Patna, Bihar, 801103	3207600
159	Engineering Sciences	2D Molecular Architecting By Interface Engineering For High Mobility Field Effect Devices And 3D Nanoelectronics Device Integration In Flexible Displays	Dr. Abhay Abhimanyu Sagade, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	3669600
160	Engineering Sciences	Towards Scaling Up Learning Agents	Dr. Shivaram Kalyanakrishnan, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1804410
161	Engineering Sciences	A Novel Machine Vision Based In-Situ IoT Solution For Characterization Of Abrasive Waterjet Milled Surfaces In Aerospace Alloys	Dr. Sivasrinivasu Devadula, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	4383457
162	Engineering Sciences	Developing Soft Sensors For Copolymerization Monitoring And Control Based On Reaction Calorimetry	Dr. Dhanya Ram V, National Institute of Technology Calicut, Calicut, Kerala, 673600	3779600
163	Engineering Sciences	Development Of Adaptive Algorithms For Solving Many-Objective Optimization Problems: Application In Machine Learning	Dr. Sriparna Saha, Indian Institute of Technology Patna, Patna, Bihar, 801103	1997240
164	Engineering Sciences	Efficient Removal Of Most Penetrating Particles (Diameter~ 300 Nm) From Air/Water Using Supersonically-Blown Ultrafine PVDF Nanofibers	Dr. Sumit Sinharay, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	4863720
165	Engineering Sciences	Low Temperature Processable Ferroelectric Film Based Flexible Pyroelectric Generator For Energy Harvesting	Dr. Vengadesh Kumara Mangalam Ramakrishnan, S R M Institute of Science and Technology, Chennai, Tamil Nadu, 603203	4843150

166	Engineering Sciences	Implementing Automatic Brain Abnormality Detection System Using Reactive Optimized Convolution Neural Networks	Dr. Sridhar K P, Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu, 641021	3228790
167	Engineering Sciences	Green Synthesis Of Warm White Light Emitting Single Phase Oxyfluoride Phosphors For Thermally Stable, Energy Efficient, And Elevated Color Rendering LED Lamps	Dr. Subrata Das, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram, Kerala, 695019	4319350
168	Engineering Sciences	Investigation On Temperature Susceptibility Of Unmodified And Modified Bituminous Binder	Dr. Padam Rekha, S R M Institute of Science and Technology, Chennai, Tamil Nadu, 603203	3101460
169	Engineering Sciences	Design And Development Of Compact And Wideband Dielectric Resonator Antennas	Dr. Pragati Patel, National Institute of Technology Goa, North Goa, Goa, 403401	5138980
170	Engineering Sciences	Innovative Utilization of Lignosulphonate - A Non-Traditional Stabilizer on Control and Management of Swell-Shrink Behavior of Expansive Clays	Dr. Bhuvaneshwari Subramanian, S R M Institute of Science and Technology, Chennai, Tamil Nadu, 603203	1982120
171	Engineering Sciences	Characterization And Development Of Magnetically Impelled Arc Butt Welding For Boiler Graded Tube Materials T11, T91	Dr. Ramesh Kumar Subramanian, Sastra University, Thanjavur, Tamil Nadu, 613401	3302750
172	Engineering Sciences	Structural Identification from Incomplete and Uncertain Information: Identifiability, Optimal Experiment Design and Probabilistic Condition Assessment	Dr. Suparno Mukhopadhyay, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	4548600
173	Engineering Sciences	All Ceramic Magneto-Electric Multiferroic Based Energy Harvesters	Dr. Satyapal Singh Rathore, Manipal University Jaipur, Jaipur, Rajasthan, 303007	4527600
174	Engineering Sciences	Computationally Efficient Modeling Of Magnetostrictive Materials With Application To Vibration Energy Harvesting	Dr. Sushma Santapuri, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	4549470
175	Engineering Sciences	Laser Forming Of Aluminium Foam Plate To Produce Curved Surfaces	Dr. Shitanshu Shekhar Chakraborty, Central Mechanical Engineering Research Institute, Durgapur, West Bengal, 713209	3616980
176	Engineering Sciences	Mechanistic Approach To Design Composite Metal- Carbon Nanofiber Oxygen Electrodes For High-Performance Metal-Air Batteries	Dr. Richa Singhal, Birla Institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	4559920

177	Engineering Sciences	Investigations Into The Influence Of 3-D Surface Topographic Parameters And Cross-Hatch Angle Of Cylinder Liner Surface On The Friction And Wear Of Piston Ring-Cylinder Liner Assembly	Dr. Deepak Lawrence K, National Institute of Technology Calicut, Calicut, Kerala, 673600	3000237
178	Engineering Sciences	Investigating Scalable Algorithms For Some Macro-Level Transportation Problems On Graph Based Representation Of Road Networks	Dr. Venkata Maruti Gunturi, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	1470769
179	Engineering Sciences	Investigations Of Fluid and Granular Jet Impact With Erosion Effects	Dr. Dhiraj Vilasrao Patil, Indian Institute of Technology Dharwad, Dharwad, Karnataka, 580011	2474252
180	Engineering Sciences	Thermodynamics Of Atomistic Scale Classical Heat Engines	Dr. Puneet Kumar Patra, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	3127520
181	Engineering Sciences	Elucidating Composition–Structure–Property Relationships In Silicate Glasses For Fracture- And Scratch-Resistant Applications	Dr. N M Anoop Krishnan, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	4996200
182	Engineering Sciences	Design And Development Of Novel Adsorption Systems For Green Refrigeration And CO ₂ Capture	Dr. Satyabrata Sahoo, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	4192280
183	Engineering Sciences	Seismic Design And Performance Verification Of Confined Masonry Walls For Medium-Rise Buildings	Dr. Vaibhav Singhal, Indian Institute of Technology Patna, Patna, Bihar, 801103	2639960
184	Engineering Sciences	Study On High Efficiency Pre-Chamber Combustion Concept To Extend Gasoline Lean Limit In A Constant Volume Combustion Chamber	Dr. Vedharaj S, National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	4305860
185	Engineering Sciences	Multi-Hazard Performance Assessment Of Highway Bridges Under Seismic And Blast Loading	Dr. Piyali Sengupta, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	2684500
186	Engineering Sciences	Applications Of Artificial Intelligence For Learning And Optimization In Next Generation Wireless Networks	Dr. Manjesh Kumar Hanawal, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1703900

187	Engineering Sciences	Atomistic Modeling Of Dislocation Properties By Computation Of Generalized Stacking Fault Energy	Dr. Amlan Dutta, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	4863100
188	Engineering Sciences	Large Scale CFD Modelling Of The Hydrodynamics And Scour Around Offshore Wind Farms	Dr. Mohammad Saud Afzal, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	3038200
189	Engineering Sciences	Performance Evaluation Of Controller Placement For Software Defined Networks	Dr. Jaisingh T, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	1820590
190	Engineering Sciences	Blast Analysis Of Functionally Graded Material Plate And Shell Panels	Dr. Shashank Pandey, National Institute of Technology Jamshedpur, Jamshedpur, Jharkhand, 831014	1736330
191	Engineering Sciences	Assessing The Impact Of Salinity On Phosphate Solubilizing Microbes For Sustainable Mitigation Of Phosphorus Deficiency In Saline Soils	Dr. Subramanyam Venkata, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi, 110020	2479290
192	Engineering Sciences	An Investigation Of The Unconventional Tandem Flapping Foil Propulsion Mechanism For Underwater Vehicles	Dr. Sunil Manohar Dash, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	4580920
193	Engineering Sciences	Modeling Driver Behavior Profiles Using Naturalistic Driving Data For Road Safety Analysis	Dr. Digvijay S Pawar, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	2663020
194	Engineering Sciences	Microwave Inverse Scattering For Breast Cancer Detection	Dr. Uday K Khankhoje, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1956900
195	Engineering Sciences	Novel Glass-Based Solid Electrolytes With High Conductivity For Room-Temperature Rechargeable Na-Ion Batteries	Dr. Amarnath Reddy Allu, Central Glass & Ceramic Research Institute, Kolkata, West Bengal, 700032	3319290
196	Engineering Sciences	Combined Experimental And Modelling Study Of Stress Corrosion Cracking In Ferritic Steels	Dr. Ilaksh Adlakha, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	4945070

197	Engineering Sciences	Ultra-Low Power Circuits For Autonomous Sensor Nodes In IoT Networks	Dr. Gajendranath Chowdary, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	4513970
198	Engineering Sciences	3D Printed Aminosilica Monoliths: A Practically Scalable Technology for CO2 Capture	Dr. Sravanthi Loganathan, Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu, 630006	4210920
199	Engineering Sciences	An Effective Predictive Torque Controlled Permanent Magnet Synchronous Motor Drive For A Photo-Voltaic Based Hybrid Electric Vehicle With Reduced CO2 Emissions	Dr. Vinay Kumar, National Institute of Technology Warangal, Warangal, Telangana, 506004	2620660
200	Engineering Sciences	Propagation and Attenuation of Shear Waves Inducing High Strains In Jointed Rocks	Dr. Resmi Sebestian, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	4789180
201	Engineering Sciences	Spinodal Decomposition In Cu-Ag Alloy Thin Films: A Route To Tunable Plasmonics	Dr. Shourya Dutta Gupta, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	4970590
202	Engineering Sciences	Controlling The Vibrational Dynamics Of Fluid-Carrying Flexible Tubes Via Acoustic Irradiation	Dr. Deepu P, Indian Institute of Technology Patna, Patna, Bihar, 801103	2654850
203	Engineering Sciences	Differential Flatness Based Design, Trajectory Planning And Control Of Bipedal Walking Robots	Dr. Vivek Sangwan, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	4375730
204	Engineering Sciences	Manipulation Of Wall Turbulence By External Forcing For Investigating Mechanisms Causing Surface Friction Drag On Transport Vehicles	Dr. Sourabh S Diwan, Indian Institute Of Science, Bangalore, Bangalore, Karnataka, 560012	4707320
205	Engineering Sciences	Harnessing Artificial Intelligence And Multimodal Information For Health And Societal Virtue	Dr. Rajiv Ratn Shah, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi, 110020	2555020
206	Engineering Sciences	Flexible Memristors Using 2D Layered Hybrid Organic-Inorganic Perovskites	Dr. Arun Tej Mallajosyula, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	4993090

207	Engineering Sciences	Controlled Synthesis Of MoO ₃ Nanoparticles Inside Mesoporous Material For Oxidative Dehydrogenation Of Organic Molecules With CO ₂	Dr. Vijay Maruti Shinde, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh, 221005	3229430
208	Engineering Sciences	Analytical Solution Of The Hillslope Boussinesq Equation Considering Unsteady Boundary And Variable Recharge With Bedrock Seepage	Dr. Ratan Sarmah, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	2774820
209	Engineering Sciences	Environmental Impacts On The Mechanical, Thermal And Electrical Performance Of CNT Embedded Fibrous Polymeric Composites: Effects Of Through Thickness CNT Alignment	Dr. Rajesh Kumar Prusty, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	2029500
210	Engineering Sciences	Investigations On The Origin Of Hydration Induced Yield Limit Variations In Polymer Electrolyte Membranes	Dr. Poornesh Kumar Koorata, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	4997920
211	Engineering Sciences	Design And Development Of A W-Band Front-End For Imaging Applications Using Silicon-Germanium Technology	Dr. Arun Kumar Gande, National Institute of Technology Warangal, Warangal, Telangana, 506004	3749970
212	Engineering Sciences	Automatic Driver Assistance Technology: Fog Removal In Videos	Dr. Subrahmanyam Murala, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	2831400
213	Engineering Sciences	Mucoadhesive Dendrimers-Based Preservative-Free Ophthalmic Nanoformulation Of Nepafenac	Dr. Hitesh Kulhari, Central University of Gujarat, Gandhinagar, Gujarat, 382030	3730060
214	Engineering Sciences	Understanding Spin Transport In Van Der Waals Heterostructures For Atomically Thin Spin-Logic And Memory Devices	Dr. Ram Krishna Ghosh, Jawaharlal Nehru University, New Delhi, Delhi, 110067	4313650
215	Engineering Sciences	Development Of Nonlinear Signal Processing Schemes For The Assessment Of Neural And Muscle Functions	Dr. Karthick P A, National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	3912120
216	Engineering Sciences	Investigations On Performance And Emission Control In A Hydrogen-Diesel Compression Ignition Engine Using Vortex Tubes	Dr. Manimaran Renganathan, Vit University Chennai, Chennai, Tamil Nadu, 600127	1474600

217	Engineering Sciences	Fracture Analysis Of CNT Reinforced Composites Using Extended Isogeometric Analysis (XIGA) For Structural Applications In Hygro-Thermal Environment	Dr. Gagandeep Bhardwaj, Thapar Institute of Engineering & Technology, Patiala, Punjab, 147004	2022900
218	Engineering Sciences	Design And Development Of Multifunctional Reconfigurable Antenna For Navigation Receiver System	Dr. Yogesh Kumar Choukiker, Vit University, Vellore, Tamil Nadu, 632014	2095670
219	Engineering Sciences	Spin-Orbit Torque Induced Magnetization Dynamics In Perpendicular Magnetic Anisotropy Materials For Non-Volatile Memory And Logic Applications	Dr. Chandrashekar Murapaka, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	4996200
220	Engineering Sciences	GNSS And NavIC Reflectometry Receiver For Soil Moisture Monitoring	Dr. Sanat Kumar Biswas, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi, 110020	4113530
221	Engineering Sciences	Design And Development Of Multi-Bit Phase Change Memory Devices For Next-Generation High Density Non-Volatile Memory Applications	Dr. Shivendra Kumar Pandey, National Institute of Technology Silchar, Silchar, Assam, 788010	4477340
222	Engineering Sciences	Design And Fabrication Of MEMS Bionics Sensors For Autonomous Underwater Vehicles (AUVs)	Dr. Akshdeep Sharma, Centre for Materials for Electronics Technology Hyderabad, Hyderabad, Telangana, 500051	4318920
223	Engineering Sciences	Design And Development Of High-End Pediatric Prosthetic Knee Joint With Deep Squat Feature And Stance-Swing-Stair Control Mechanism To Enhance The Leverage Capability	Dr. Arun S, National Aerospace Laboratories, Bangalore, Karnataka, 560037	2197800
224	Engineering Sciences	2D Layered Materials Based Biosensors For Early Diagnosis Of Lung Cancer	Dr. Ruma Ghosh, Indian Institute of Technology Dharwad, Dharwad, Karnataka, 580011	3638360
225	Engineering Sciences	Machine Learning For Health And Wellbeing: Big Data Analytics On Continuous Data From Non-Invasive Monitoring Of Breathing And Other Biomarkers Through Wearable Sensors.	Dr. Shantanu Tripathi, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	4144300
226	Engineering Sciences	Moment-Shear Interaction Of Unstiffened Steel I-Sections Subject To Lateral Torsional Buckling	Dr. Lakshmi Priya Palamadai Subramanian, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	4702060

227	Engineering Sciences	Signal Processing Perspectives On Unsupervised Graph Learning	Dr. Aditya Siripuram, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	2159300
228	Engineering Sciences	Application Of Water-Stable Metal Organic Frameworks (WMOF) For The Detection Of Odorants And Emerging Pollutants/Pesticides In Wastewater	Dr. Pawan Kumar, Central University of Jammu, Jammu, Jammu And Kashmir, 180012	5277990
229	Engineering Sciences	Direct Cooling Of The Silicon Photovoltaic Module Enabled By An Array Of Micro-Channels Built-In The Backside EVA-Layer	Dr. Ravi Prakash Jaiswal, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	4152280
230	Engineering Sciences	Static And Dynamic Analysis Of Welded Slewing Ring Bearing For High Thermal Application	Dr. Babu S, Psg College of Technology, Coimbatore, Tamil Nadu, 641004	4299900
231	Engineering Sciences	A Peridynamics-Like Framework To Predict Failure Of Concrete Structures.	Dr. Saikat Sarkar, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	1805360
232	Engineering Sciences	Development Of Multi-Layered Microstructure Gradient Functionally Graded Composite Material Using Friction Stir Additive Manufacturing	Dr. Murshid Imam, Indian Institute of Technology Patna, Patna, Bihar, 801103	2496100
233	Engineering Sciences	Experimental and Numerical Study of Adhesive Bond/Debond Effect on Electro-Mechanical Coupling Behaviour of Piezo-Elastodynamic Structure	Dr. Sumedha Moharana, Shiv Nadar University, Gautambudh Nagar, Uttar Pradesh, 203207	2822380
234	Engineering Sciences	Conceptualizing Strategies For Efficient Information Dissemination And Resource Management In Internet Of Vehicles	Dr. Moumita Pata, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1852230
235	Engineering Sciences	Scheduling Of Precedence Tasks With DVFS And Duplication On Heterogeneous Multiprocessors	Dr. Jagpreet Singh, Indian Institute of Information Technology Allahabad, Allahabad, Uttar Pradesh, 211012	1798090
236	Engineering Sciences	Implementation Of Deep Learning Algorithms To Develop Web Based Ionospheric Time Delays Forecasting System Over Indian Region Using Ground Based GNSS And NAVigation With Indian Constellation (NAVIC) Observations	Dr. Sivavaraprasad Gampala, K L University, Vijayawada, Andhra Pradesh,	1797400
237	Engineering Sciences	Mechanical Characterization Of Multi-Functional CNT Reinforced Hybrid Honeycomb Core And Its Failure Response Assessment In Integrated Composite Sandwich Shell Subjected To Combined Loading	Dr. Ananda Babu Arumugam, Sharda University, Greater Noida, Uttar Pradesh,	2418900

238	Engineering Sciences	Process Intensification Of Post-Combustion CO ₂ Capture Using Rotating Packed Bed Reactor Concept	Dr. Panneerselvam Ranganathan, National Institute of Technology Calicut, Calicut, Kerala, 673600	3055800
239	Engineering Sciences	3D Printing Of Graphene Nanocomposites For Energy Storage Applications	Dr. Pavan Kumar Penumakala, Birla Institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana, 500078	2430040
240	Engineering Sciences	Wireless-ReLoD - Wireless Reliable, Low Latency Networks For IIoT And Fieldbus Replacement	Dr. Vineeth B S, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala, 695547	1811320
241	Engineering Sciences	Design And Development Of Miniaturized Cost-Effective Antennas For Internet Of Things And 5G Technology	Dr. Ashwani Sharma, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	5007820
242	Engineering Sciences	CCDA: Tool Support For Detecting And Analyzing High-Level Code Clones In Software To Re-Engineer Legacy Systems For Reuse	Dr. Kuldeep Kumar, Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab,	1621400
243	Engineering Sciences	Development Of A Five-Phase SRM For In-Wheel Drive Application With Fault-Tolerant Features For Plug-In Electric Vehicles Suitable For Indian Roads	Dr. Saifullah Payami, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	5339140
244	Engineering Sciences	Valorisation Of Waste Cooking Oil (WCO): Process Development And Intensification Using Hydrodynamic Cavitation And Acoustic Cavitation Techniques	Dr. Virendrakumar Saharan, Malaviya National Institute of Technology, Jaipur, Rajasthan,	4969697
245	Engineering Sciences	Wetting Behavior Of Ionic Liquids On Different Surfaces: Insight From Molecular Dynamic Simulation.	Dr. Sandip Khan, Indian Institute of Technology Patna, Patna, Bihar,	3326400
246	Engineering Sciences	Ga ₂ O ₃ Based Devices For High Power Applications	Dr. Gourab Dutta, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	4948750
247	Engineering Sciences	Cooperative Path Planning Of Autonomous Vehicles	Dr. Sikha Hota, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	3167670
248	Engineering Sciences	Structural Modification Of Flexible Solar Cell By Incorporating Graphene Tapered ZnO Anti-Reflector In Wearable Electronics Power Solutions	Dr. Sandipan Mallik, National Institute of Science and Technology Orissa, Ganjam, Orissa, 761008	3502400

249	Engineering Sciences	Development Of Hybrid Method To Analyze The Radiation Characteristics Of A Dipole Antenna Near A Perfectly Conducting Cylindrically Curved Screen	Dr. Divyabramham Kandimalla, Indian Institute of Information Technology Chittoor, Chittoor, Andhra Pradesh, 517588	4140400
250	Engineering Sciences	Experimental Investigations And Numerical Assessment Of Renal Calculi (Kidney Stone) Development And It's Management	Dr. Shailesh Agrawal, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	2836900
251	Engineering Sciences	Development Of New Two Dimensional Layer Structure Materials And Technique For Water Splitting: Applications In Hydrogen And Oxygen Evolution Reactions	Dr. Srimanta Pakhira, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	5310800
252	Engineering Sciences	Investigations Into The Impact Mitigation Capabilities Of Architected Cellular Elastomeric Solids	Dr. Anshul Faye, Indian Institute of Technology Bhilai, Bhilai, Chhattisgarh, 492015	5058900
253	Engineering Sciences	A Flexible And Wearable Smart Electrode Bandage For Accelerated Wound Healing Through Electrical Stimulation	Dr. Debashis Maji, Vit University, Vellore, Tamil Nadu, 632014	3162650
254	Engineering Sciences	A Study On Energy Barrier To Buckling In Cylindrical Shells	Dr. Sandeep Jose, Birla Institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	3287900
255	Engineering Sciences	Impact Of Circulatory Patterns On Disease Progression In Deformed Arteries	Dr. Abdullah Yousuf Usmani, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	4958650
256	Engineering Sciences	Resource Dimensioning And Management Of Smart And Sustainable 5G Small Cells For Rural Broadband	Dr. Vinay Chamola, Birla Institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	2833770
257	Engineering Sciences	Damage Evaluation Of Honeycomb Sandwich Structures With CNT Reinforced Composite And FGM Faceplates Subjected To Elevated Temperatures Under Low And High Velocity Impact Loads	Dr. Sreehari V M, Sastra University, Thanjavur, Tamil Nadu, 613401	2947790
258	Engineering Sciences	Multiscale Modelling Of Noncarbon Nanomaterials And Their Reinforced Polymer Composite Materials And Structures	Dr. Sandeep Singh, Birla Institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	1952460
259	Engineering Sciences	Virtual Synchronous Generator for Microgrid Applications	Dr. Krishna Swami Naidu, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	4554930

260	Engineering Sciences	Preparation And Application Of Hybrid Mesoporous Particles For Biomedical Applications	Dr. Jayakumar Gladstone Christopher, Central Leather Research Institute, Chennai, Tamil Nadu, 600020	2158920
261	Engineering Sciences	The Effect Of Soil-Water Retention Behavior On The Land Use Pattern For Drought Mitigation	Dr. Jeevan Joseph, National Institute of Technology Tiruchirappalli, Tiruchirappalli, Tamil Nadu, 620015	2885880
262	Engineering Sciences	Development Of Bionanoplatform-Based Ultrasensitive Sensor For The Detection Of Food Contaminants With Enhanced Portability And Regenerability	Dr. Vanish Kumar, National Agri Food Biotechnology Institute, Mohali, Punjab,	4120310
263	Engineering Sciences	Climate Impact On Water And Sediment Fluxes In Damodar River Basin Using Joint UK Land Environment Simulator (JULES)	Dr. Renji Remesan, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	2327600
264	Engineering Sciences	Planning Of Process Industries Production To Minimize Carbon Emissions And Energy Consumption	Dr. Nitin Dutt Chaturvedi, Indian Institute of Technology Patna, Patna, Bihar,	2236130
265	Engineering Sciences	Development Of Coordination And Control Schemes For Grid Connected Variable Speed Wind Generators Under Unbalanced And Low Voltage Conditions	Dr. Seshadri Sravan Kumar Vanjari, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	3713750
266	Engineering Sciences	Design And Development Of Micro Seismic Based Technique For Monitoring And Prediction Of Slope Failure In Pandoh, Himachal Pradesh, India	Dr. Amit Kumar Verma, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh, 221005	4977040
267	Engineering Sciences	Computational And Experimental Study Of Damage And Failure In Carbon/Glass Fiber Reinforced Composite Materials	Dr. Nelson Muthu, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	4959350
268	Engineering Sciences	Investigation Of A Portable, Affordable And Self-Guided Bedside Ultrasound System For Tissue And Blood Velocity Imaging	Dr. Mahesh Raveendranath Panicker, Indian Institute of Technology Palakkad, Palakkad, Kerala,	4901830
269	Engineering Sciences	Design And Development Of A Novel Plasma Processing Set Up For Uniform Nano-Polishing Of Prism And Any Freeform Surfaces Of Fused Silica	Dr. Manas Das, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	4983000
270	Engineering Sciences	Thermoelectric Performance Study Using First-Principles Calculations Based Methods	Dr. Appala Naidu Gandhi, Indian Institute of Technology Jodhpur, Jodhpur, Rajasthan,	2259420

271	Engineering Sciences	Design And Development Of Smart Wearable Device For Onsite Monitoring Health, Physical Activity And Fatigue Level	Dr. Biswajit Saha, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	3671340
272	Engineering Sciences	Scholarly Information Extraction From Comparative Charts And Tables	Dr. Mayank Singh, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	2721400
273	Engineering Sciences	IN MEMORY COMPUTING CIRCUITS FOR DEEP NEURAL NETWORK HARDWARE	Dr. Janakiraman Viraraghavan, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	4275426
274	Engineering Sciences	Epitaxial Growth Of Wide-Bandgap B-Ga ₂ O ₃ Thin Films For High Power Switching Applications	Dr. Amit Verma, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	4379720
275	Engineering Sciences	Vibration-Based Health Monitoring Of Tensegrity Structures Incorporating The Effects Of Ambient Temperature	Dr. Subhamoy Sen, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	3371390
276	Engineering Sciences	Investigation Of The Carrier Surface Recombination In III-V Semiconductors For On-Chip Nanophotonic Applications	Dr. Naresh Kumar Emani, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	4526800
277	Life Sciences	Evaluation Of Different Adjuvants For Development Of Potent Chikungunya Vaccine	Dr. Harshad Padmanabh Patil, Interactive Research School for Health Affairs, Pune, Maharashtra, 411043	3222474
278	Life Sciences	MITOLINK: A Web-Based Platform For Genotype-Phenotype Correlation For Mitochondrial Diseases	Dr. Anshu Bhardwaj, Institute of Microbial Technology, Chandigarh, Chandigarh, 160036	1293840
279	Life Sciences	Identification And Validation Of Circulating MicroRNAs As Novel Biomarkers For Prediction Of Dengue Haemorrhagic Fever	Dr. Ankita Agarwal, All India Institute of Medical Science Bhopal, Bhopal, Madhya Pradesh, 462020	3447943
280	Life Sciences	Decoding The Traits Of Drug-Resistance: Studying The Genetic Factors Contributing To The Survivability And Adaptability Of Gut Pathogens In Antibiotic Rich Environment	Dr. Deekshit, NITTE University, Mangalore, Karnataka, 575018	3433595

281	Life Sciences	A Structural And Behavioural Study On Neurological Changes In Adult Mice Co-Exposed To Low-Dose Radiation And Organophosphate Pesticides During Neonatal And Postnatal Stages Of Development	Dr. Kamallesh Dattaram Mumbrekar, Manipal University, Manipal, Karnataka, 576104	2802800
282	Life Sciences	Taxonomy and Molecular Phylogeny Of The Genus Heliotropium L. (Boraginaceae) In India	Dr. Anna Ancy Antony, St Alberts College, Ernakulam (Kochi,Cochin), Kerala, 682018	2797162
283	Life Sciences	Role Of Endogenous Intermediate Progenitors In Neurogenesis Following Neurodegeneration	Dr. Prem Prakash Tripathi, Indian Institute of Chemical Biology, Kolkata, West Bengal, 700032	3396600
284	Life Sciences	Eco-Friendly, Biodegradable Plastic Degrading PHB Depolymerase From Microbes: Purification, Characterization And Biotechnological Applications	Dr. Roohi, Integral University, Lucknow, Uttar Pradesh, 226026	3081320
285	Life Sciences	Selection Of Aptamers Against Monocrotophos For Its Detection In Various Agricultural Produce	Dr. Smita Singh, S D Agriculture University, Banas Kantha, Gujarat, 385506	3112560
286	Life Sciences	Exploring The Molecular Mechanism Of Plant Adaptation Along An Elevational Gradient In Picrorhiza Kurroa Through Proteomic Approach	Dr. Rajiv Kumar, Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh, 176061	2319840
287	Life Sciences	Fermentation-Assisted Technologies For The Enrichment And Recovery Of Novel Bioactive Compounds From Food Industry Wastes In Contaminated Coastal Regions Of Odisha	Dr. Nivedita Patra, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	2169992
288	Life Sciences	Role Of Human Umbilical Cord Mesenchymal Stem Cells (UC-MSCs) And UC-MSC Derived Conditioned Medium In Regulation Of Colon Cancer Progression: An Approach Towards Elucidating Function Of Paracrine Factors And Epigenetic Regulators	Dr. Antara Banerjee, Chettinad Academy of Research and Education, Chennai, Tamil Nadu, 603103	3352800
289	Life Sciences	Investigation Of Molecular Mechanism Of Piriformospora Indica Interaction And Bio-Protection In The 'Patho-System Tomato-Fusarium'	Dr. Swati Tripathi, Amity University Noida, Noida, Uttar Pradesh, 201303	2452560
290	Life Sciences	Development Of An Efficient Microbial Consortium For The Enhancement Of Plant Growth And Essential Oil Yield In Eryngium Foetidum L. Under Abiotic Stresses- A New Approach Towards Organic Farming	Dr. Swetha S, Jyothy Institute of Technology, Bangalore, Karnataka, 560082	2888633

291	Life Sciences	Evaluation And Validation Of Anticancer Metabolites From Himalayan Lichens And Development Of Polymeric Nanoformulation As Potential Cancer Therapeutic Agent	Dr. Mayurika Goel, The Energy and Resources Institute Delhi, New Delhi, Delhi, 110003	3097050
292	Life Sciences	A Randomized Double Blind Study Of Prophylactic Leviteracetam For The Prevention Of Post Stroke Seizures (PROLEVIS)	Dr. Vishnu V Y, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	2737680
293	Life Sciences	Identification of Bacteria Blight Resistance Genes In Pomegranate Based on Dual-Mixed Transcriptomics of Xanthomonas Axonopodis Pv. Punicae And Pomegranate	Dr. Raghavendra Gunnaiah, University of Horticultural Sciences, Bangalore, Karnataka, 587104	3910060
294	Life Sciences	Prevalence of Vitamin D Deficiency In HIV Positive Patients, And Effect of Its Supplementation on Response To Antiretroviral Therapy: A Prospective, Randomised, Cross-Over Study	Dr. Priyanka Kamath, Kasturba Medical College, Manipal, Karnataka, 575001	1482250
295	Life Sciences	Delineation of DNA Structural Features of Various Promoter Categories In Eukaryotes: An In Silico Approach	Dr. Venkata Rajesh Yella, K L University, Vijayawada, Andhra Pradesh, 522502	2377320
296	Life Sciences	Development of Multi-Trait Selection Criteria for Crossbred Cattle Of Kerala	Dr. Jamuna Valsalan, College Of Veterinary And Animal Science,Kerala, Thrissur, Kerala, 680651	2851090
297	Life Sciences	Biochemical And Molecular Characterization Of Snake Venom Metalloproteinases And Disintegrins From Cobra Venoms	Dr. Chandrasekhar Chanda, K L University, Vijayawada, Andhra Pradesh, 522502	4036637
298	Life Sciences	Significance Of 5-Hydroxymethylcytosine In Neurodegeneration Associated With Rapid Eye Movement Sleep Deprivation	Dr. Uma Dhawan, Bhaskaracharya College of Applied Sciences, New Delhi, Delhi, 110075	4011480
299	Life Sciences	Isolation And Characterization Of Bio-Contaminant From Indoor Environment In Delhi Residence And Their Impact On Human Health	Dr. Rajeev Singh, Satyawati College, University of Delhi, Delhi, Delhi, 147001	3312252
300	Life Sciences	Understanding Squirrels For Science And Conservation In Lesser Studied Eastern Himalayan Landscapes Of Arunachal Pradesh, India	Dr. Murali Krishna Chatakonda, Amity University Noida, Noida, Uttar Pradesh,	2540560
301	Life Sciences	“SPDT Transporter Based Identification Of Low Phosphorus/Phytate Rice (Oryza Sativa L.) To Reduce The Removal Of Phosphorus From Soil And Eutrophication Of Waterways.”	Dr. Awadhesh Kumar, National Rice Research Institute, Cuttack, Orissa, 753006	3525215
302	Life Sciences	Molecular Dissection Of MiRNA Mediated Regulation Of Phytohormone Signalling Cascade For Inducing Pod Borer Resistance In Pigeon Pea	Dr. Era Vaidya Malhotra, National Bureau of Plant Genetic Resources, New Delhi, Delhi, 110012	4284144

303	Life Sciences	Functionalized Fluorescent Graphene Quantum Dot Based Sensor For Early Detection Of Lung Cancer And Bioimaging	Dr. Pravin Onkar Patil, H R Patel Institute Of Pharmaceutical Education And Research, Shirpur(MH), Shirpur, Maharashtra, 425405	3288560
304	Life Sciences	Understanding The Structure Function Relationship Of The Natural Anticoagulant ZPI, A Member Of Serpin Superfamily	Dr. Tanusree Sengupta, S S N College of Engineering, Kalpakkam, Tamil Nadu, 603110	3462800
305	Life Sciences	Bioprospecting, Barcoding And In Vitro Culture For Sustainable Utilization Of Two Selected RET Listed Medicinal Plants Piper Barberi And Smilax Wightii	Dr. Swapna T S, University of Kerala, Thiruvananthapuram, Kerala, 695034	3027446
306	Life Sciences	Exploring The Distribution And Characterization Of Pathogenicity Islands And Ecological Fitness Genes In Seafood Associated V. Parahaemolyticus	Dr. Krishna Kumar B, Nitte University, Mangalore, Karnataka, 575018	2665520
307	Life Sciences	Evaluation Of Tomato Lines Carrying Different Combinations Of Ty Genes For Resistance Against Begomovirus Infection	Dr. Sweta Sinha, Bihar Agricultural University, Bhagalpur, Bihar, 813210	3442560
308	Life Sciences	Intranasal Synthetic Neuropeptide Y Based Brain Targeting Nanosponges For Seizure Attenuation In Epilepsy	Dr. Pravin Kesharao Shende, Svkm's Nmims, Mumbai, Maharashtra, 400056	2163480
309	Life Sciences	Project On The Use Of Geographic Information Systems In Health Systems Research In Rural Areas Of Nagaland	Dr. Rohan Michael Ramesh, Christian Institute of Health Sciences and Research, Dimapur, Nagaland, 797112	1608556
310	Life Sciences	CRISPR/Cas9 Based Whole Genome Screening For Response To Drug Treatment	Dr. Nongmaithem Sadananda Singh, Indian Institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala, 695016	4098380
311	Life Sciences	Role Of MicroRNAs In Obesity Induced Adipocyte Reprogramming Causing Inflammation And Insulin Resistance.	Dr. Durba Pal, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	4782360
312	Life Sciences	Investigation On Marine Microalgal Carotenoids And Its Nano Formulation For Bioavailability And Anticancer Perspectives	Dr. Jayappriyan Kr, University of Madras, Chennai, Tamil Nadu, 600005	3648480
313	Life Sciences	Pharmacodynamic Modulation Of Cardiac Angiotensin And Adrenergic Signaling In Arsenic-Exposed Rats	Dr. Kesavan M, Indian Veterinary Research Institute, Bareilly, Uttar Pradesh, 243122	4668646

314	Life Sciences	Introgression of Saltol And Sub-1 Genes Into Restorer Line Of Popular Rice Hybrids Ajay And Rajalaxmi Through Marker Assisted Selection.	Dr. Jawahar Lal Katara, National Rice Research Institute, Cuttack, Orissa, 753006	4183056
315	Life Sciences	Investigating The Role Of Cohesion In Nucleoid Dynamics Under Antibiotic Stress	Dr. Mohan Chandra Joshi, Jamia Millia Islamia, New Delhi, Delhi, 110025	4785000
316	Life Sciences	Integrated Water Quality Evaluation of Mahisagar River Using Benthic Macroinvertebrates	Dr. Nitasha Khatri, Gujarat Environment Management Institute, Gandhinagar, Gandhinagar, Gujarat, 382010	4465956
317	Life Sciences	Role Of Wnt/B-Catenin Signaling In Stroma-Mediated Chemoresistance Of Acute Myeloid Leukemia	Dr. Neeraj Kumar Satija, Indian Institute of Toxicology Research, Lucknow, Uttar Pradesh, 226001	3996000
318	Life Sciences	Development Of A Mammalian Expression System For Generation Of Bispecific Antibodies – A Potential Biomarker And Therapeutics	Dr. Yatender Kumar, Netaji Subash Institute of Technology, New Delhi, Delhi, 110078	4528480
319	Life Sciences	Impact of Vetiveria Zizanioides (L.), Its Root Exudates And Associated Microbial Communities On Biogeochemistry Of Heavy Metals And Their Application In Development Of Remediation Strategies For Heavy Metal Contaminated Sites	Dr. Radha Rani Mewaram, Motilal Nehru National Institute of Technology Allahabad, Allahabad, Uttar Pradesh, 211004	3597924
320	Life Sciences	Role of Microrna-203 In the Regulation of The Genes That Are Upregulated In Triple Negative Breast Cancer (TNBC)	Dr. Divijendra Nathareddy Sirigiri, Bms College of Engineering, Bangalore, Karnataka, 560019	4508214
321	Life Sciences	Microbial Isolation And Screening For Acyltransferase Activity On Amides For The Production Of Industrially Important Hydroxamic Acids From Thermal Springs Of Northern India	Dr. Praveen Kumar Mehta, Central University of Jammu, Jammu, Jammu And Kashmir, 180012	4865520
322	Life Sciences	Patho-Epidemiology And Development of User-Friendly Immunodiagnostic Assay For Rapid Detection of S. Suis In Pigs	Dr. Monalisa Sahoo, Indian Veterinary Research Institute, Bareilly, Uttar Pradesh, 243122	4228459
323	Life Sciences	Study Of Persistent Organic Pollutants In Sediments Of River Ganges, Their Genotoxic Effect On Catfish Reproduction And Development.	Dr. Rahul Kumar Singh, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	4141161
324	Life Sciences	Diversity, Biogeography And Response To Simulated Climate Changes Of Cyanobacteria From Wetlands Of Punjab	Dr. Yadvinder Singh, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab, 140406	4162400

325	Life Sciences	Marker Assisted Breeding For Combined Resistance To Major Soil Borne Diseases (Bacterial Wilt & Phytophthora Root Rot) And Root-Knot Nematodes In Chilli (Capsicum Annuum L.).	Dr. Naresh Ponnam, Indian Institute of Horticultural Research, Bangalore, Karnataka, 560089	4021056
326	Life Sciences	Cell Surface Display of Divalent Hsbp-OmpA Protein On Indigenous Probiotic Lactobacillus To Counter Gut Pathogens Helicobacter Pylori And Salmonella Typhimurium	Dr. Ashok Kumar Yadav, Central University of Jammu, Jammu, Jammu And Kashmir, 180012	3765520
327	Life Sciences	Cyclin Dependent Kinase-5 (Cdk5) Mediate Unfolded Protein Response In Type 2 Diabetes	Dr. Binukumar B K, Institute of Genomics and Integrative Biology, Delhi, Delhi, 110007	4985107
328	Life Sciences	Mechanistic Role Of Fibronectin Containing The Alternatively Spliced Extra Domain A In Myocardial Ischemia-Reperfusion Injury	Dr. Prem Prakash, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh, 226014	5119715
329	Life Sciences	Role Of RNA Polymerase III Generated Non-Coding RNAs In Myelination.	Dr. G Aneeshkumar Arimbasseri, National Institute of Immunology, New Delhi, Delhi, 110067	3929486
330	Life Sciences	Transcriptional Regulation Of ICAM-1 Gene Expression In Human Monocyte And Macrophage Cells	Dr. Vinod Yadav, Central University of Haryana, Mahendragarh, Haryana, 123001	4759588
331	Life Sciences	Genome-Wide Analysis Of Pyricularia Grisea The Causal Agent Of Blast Disease Of Pearl Millet And Characterization Of Pathogen Effector Candidates And Host Resistance Genes	Dr. Chandra Nayaka S, University of Mysore, Mysore, Karnataka, 570005	4295572
332	Life Sciences	Identification And Validation Of QTLs Linked To Fusarium Wilt Resistance In Pigeonpea Using SNP Markers.	Dr. Rama Prashat G, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	4338144
333	Life Sciences	Development Of Modified Lipid Nanovesicles Based Oral Drug Delivery System For The Treatment Of Visceral Leishmaniasis	Dr. Shyam Lal M, Institute of Nano Science and Technology, Mohali, Punjab, 160047	4945968
334	Life Sciences	"Deciphering The Mechanism Of Alarmin Induced Necroptosis And Its Role In Immune Homeostasis And Inflammation In Atherosclerosis"	Dr. Manoj Kumar Tembhre, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	4924480
335	Life Sciences	Redox Regulation Of Immune Cells, Neutrophils In Insulin Resistance And Type 2 Diabetes	Dr. Sachin Kumar, Central Drug Research Institute, Lucknow, Uttar Pradesh, 226031	4094280

336	Life Sciences	Systemic And Local Oxidative Post-Translational Modification – S-Glutathionylation In COPD	Dr. Amit Rajendra Agarwal, Chest Research Foundation,Pune, Pune, Maharashtra, 411014	3927744
337	Life Sciences	Enumeration Of Osteoclasts Derived From Monocyte Subsets And Its Association With Chronic Kidney Disease	Dr. Anbazhagan Kolandaswamy, St John's Research Institute, Bangalore, Karnataka, 560034	4459968
338	Life Sciences	Substrate Specificity Of Human SET7/9 Lysine Methyltransferase And Identification Of New Substrates	Dr. Arunkumar Dhayalan, Pondicherry University, Puducherry, Puducherry, 605014	4446677
339	Life Sciences	Exploring The Bacillus Thuringiensis Genetic Diversity With Anti-Coleopteran, Anti-Lepidopteron Specific Cry Genes To Combat Agriculturally Important Insect Pest From North-East (Arunachal Pradesh) India	Dr. Pradeep Kumar, North Eastern Regional Institute of Science and Technology, Itanagar, Arunachal Pradesh, 791109	4293685
340	Life Sciences	Characterization Of Minor Capsid Protein L2 And Non Coding Region 2 Of HPV16 In Cervical Cancer Pathogenesis Harboring Episomal Viral Genomes	Dr. Paramita Mandal, University of Burdwan, Burdwan, West Bengal, 713101	4157560
341	Life Sciences	Effect Of Estrogen On T-Type Voltage Gated Calcium Channels: Implications For Breast Cancer Therapy And Future Directions	Dr. Anamika Bhargava, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	4887809
342	Life Sciences	Dissecting The Biology Of Lithium Response In Human Induced Pluripotent Stem Cell Derived Neurons From Patients With Bipolar Affective Disorder	Dr. Biju Viswanath, National Institute of Mental Health and Neuro Sciences, Bangalore, Karnataka, 560029	4642631
343	Life Sciences	Radiation Mediated Active Targeting Of Tumor Microenvironment For Enhanced Delivery Of Nanotherapeutics In An In-Vitro And In-Vivo Model Of Glioblastoma.	Dr. Amar Jyoti, Daulat Ram College, University of Delhi, Delhi, Delhi, 110007	4760800
344	Life Sciences	Antigen Targeting To Specific Dendritic Cell Receptors As A Strategy To Enhance Cytotoxic T Cell Response	Dr. Manikandan Subramanian, Institute of Genomics And Integrative Biology, Delhi, Delhi, 110007	4338144
345	Life Sciences	Functional Validation Of Highly Stress Responsive Transcription Factors And Their Promoters From Drought Tolerant Plant Prosopis Juliflora	Dr. Suja George, M S Swaminathan Research Foundation, Chennai, Tamil Nadu, 600025	3898951

346	Life Sciences	Induction Of Secondary Metabolites In Microbes Via Co-Cultivation Based Elicitation	Dr. Sundeep Jaglan, Indian Institute of Integrative Medicine Jammu, Jammu, Jammu And Kashmir, 180001	4792111
347	Life Sciences	Dissecting Epigenomics Of High-Grade Serous Ovarian Cancers To Identify New Therapeutic Targets	Dr. Pallavi Agarwal, Amity University Noida, Noida, Uttar Pradesh, 201303	4762560
348	Life Sciences	'Revealing The Mechanism And Components Of Systemic Acquired Resistance In Brassica Juncea'	Dr. Anjana Rustogi, Gargi College, University of Delhi, New Delhi, Delhi, 110049	3631980
349	Life Sciences	To Investigate The Role Of Fetuin-A In Lipotoxicity Induced Beta-Cell Dysfunction And Inflammatory Injury To The Pancreatic Islets	Dr. Rakesh Kundu, Visva Bharati University, Shanti Niketan, West Bengal, 731235	4210186
350	Life Sciences	The Effect Of Colchicine On The Mortality Of Severe Sepsis – A Randomised Control Trial	Dr. Venkateswaran Ramanathan, Jawaharlal Institute of Postgraduate Medical Education & Research, Puducherry, Puducherry, 605006	2949870
351	Life Sciences	Effect Of Promoter Mutation Of Candidate Gene On Growth Kinetics And Pathogenicity Of Salmonella Typhimurium	Dr. Prabhakar Bhanudas Ghorpade, Maharashtra Animal & Fishery Sciences University, Nagpur, Maharashtra,	4443007
352	Life Sciences	Deciphering The Role Of WNT, FGF And NOTCH Signalling In The Formation Of Musculoskeletal Progenitors From Human Pluripotent Stem Cells And In Vitro Production Of Skeletal Muscles	Dr. Smita Sudheer, Central University of Kerala, Kasargod, Kerala, 671123	4495272
353	Life Sciences	"Identification And Development Of Novel Antimicrobial Peptides To Tackle Antimicrobial Resistance"	Dr. Varuna Purushothama Panicker, College Of Veterinary And Animal Science, Kerala, Thrissur, Kerala, 680651	2995520
354	Life Sciences	Designing Of Novel And Eco-Friendly Tick Control Devices For Cattle	Dr. Dhivya Bhoopathy, Veterinary College and Research Institute, Thanjavur, Tamil Nadu, 614625	3497560
355	Life Sciences	Characterization Of Colostrum Bio-Active Components From Undescriptive Cattles And Jersey Of Himachal Region And Their Application In The Formulation Of Novel Dairy Products	Dr. Harish Kumar, Amity University Rajasthan, Jaipur, Rajasthan, 303002	4204530

356	Life Sciences	Distribution Mapping And Systematic Monographic Study Of Christella Parasitica Complex (Thelypteridaceae: Pteridophyta) From Western Ghats, India	Dr. Stephen Raj, St Xavier's College Palayamkottai, Tirunelveli, Tamil Nadu, 627002	3001541
357	Life Sciences	Elucidating The Interaction Of Non-Structural Proteins Of Bluetongue Virus With Mammalian Host And Vector Cells	Dr. Sonalika Mahajan, Indian Veterinary Research Institute, Bareilly, Uttar Pradesh, 243122	4723056
358	Life Sciences	Candidate Gene Association Study And Generation Of Genomic Resources For Flowering Time Traits In Linseed (Linum Usitatissimum.L)	Dr. Dhammaprakash Pandhari, National Bureau of Plant Genetic Resources, New Delhi, Delhi, 110012	3636650
359	Life Sciences	Optimize The Synthesis Of Novel Radiopaque Microbeads Radiolabeled With 188-Re And Demonstrate Their Therapeutic Efficacy As Radioembolizing (TARE) Agents In Treatment Of Liver Tumors.	Dr. Vijay Harish Somasundaram, Amrita Institute of Medical Sciences & Research Centre, Kochi, Kerala, 682041	5462270
360	Life Sciences	STUDY OF OSTEOGENIC HUMORAL FACTORS ON FRACTURE HEALING IN PATIENTS WITH HEAD INJURY: DECODING THE MYSTERY	Dr. Vijaykumar Digge, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	4638480
361	Life Sciences	GENETIC DETERMINANTS IN THE CARNOSINE-CARNOSINASE SYSTEM AND THEIR IMPACT ON DIABETIC NEPHROPATHY	Dr. Dhanasekaran Bodhini, Madras Diabetes Research Foundation, Chennai, Tamil Nadu, 600086	3744144
362	Life Sciences	Exploiting Bacillus, The Microbial Work-Horse For Biowaste Utilization, Biopolymer And Biofuel Production: Integrative And Customised Approach	Dr. Mamtesh Singh, Gargi College, University of Delhi, New Delhi, Delhi, 110049	3674343
363	Life Sciences	Understanding The Metabolic Cross-Talk Between Head And Neck Squamous Cell Carcinoma And Tumor Associated Fibroblasts	Dr. Dhruv Kumar, Amity University Noida, Noida, Uttar Pradesh, 201303	3551460
364	Life Sciences	Genetic And Molecular Characterization Of HCV NS3, NS5A And NS5B Resistance-Associated Substitutions (RAS) To Direct Antiviral Agents (DAA) In Patients Undergoing DAA Treatment.	Dr. Manish Chandra Choudhary, Institute of Liver & Biliary Sciences, New Delhi, Delhi, 110070	3582144
365	Life Sciences	Role Of MicroRNAs Controlled By C-Myc And Bmi1 In Human Gliomas And Glioma Stem Cells	Dr. Neha Garg, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	4757058
366	Life Sciences	Where Are Geographic Barriers To Avian Geneflow Across Peninsular India: Testing Hypotheses On Biogeography, Genetic Connectivity And Evolution	Dr. Robin Vijayan, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	3505419

367	Life Sciences	In Silico Investigation Of Autophagosome Formation During Autophagy : From Structural Mechanism To Therapeutic Solution	Dr. Lipi Thukral, Institute of Genomics and Integrative Biology, Delhi, Delhi, 110007	2761614
368	Life Sciences	Insights Into The Molecular Pathogenesis Of Metabolic Syndrome Components In Benign Prostatic Hyperplasia Induced Wistar Rats: Effects Of Treatment With Ginger (Zingiber Officinale)	Dr. Sankar P, All India Institute of Medical Science Rishikesh, Haridwar, Uttarakhand, 249201	4069560
369	Life Sciences	Epidemiology And Assessment Of Predictive Factors For Geriatric Fractures: The Chandigarh Geriatric Fracture (CGF) Study.	Dr. Siddhartha Sharma, Post Graduate Institute of Medical Education and Research, Chandigarh, Chandigarh, 160012	3887576
370	Life Sciences	A High Throughput Proteomics Study To Identify Critical Factors Implicated In The Pathogenesis Of An Excitotoxic Brain Disorder	Dr. Papia Acharjee, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	4891107
371	Life Sciences	Design And Development Of Glycan Based Anti-Infective Agents From Extremophilic Cyanobacteria	Dr. Sikha Mandal, Sree Chaitanya College, Habra (WB), North24- Parganas, West Bengal, 743268	3591086
372	Life Sciences	Environmental Impact Assessment of Pesticide Application for Cashew Plantation on Soil Bacterial Diversity, Soil Biochemical Processes and Soil Enzymes Through Molecular Approaches	Dr. Jayabalan Sangeetha, Central University of Kerala, Kasargod, Kerala, 671123	2422860
373	Life Sciences	Development Of Apple Stem Grooving Virus As Virus Induced Gene Silencing (VIGS) Vector	Dr. Sunny Dhir, Amity University Noida, Noida, Uttar Pradesh, 201303	4245560
374	Life Sciences	Development Of Antigen Specific Cell-Free And Cell-Based Novel Immunotherapeutic Strategies In Cancer	Dr. Gayatri Mukherjee, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	3121360
375	Life Sciences	Biomarkers Of Lithium Response In Bipolar Disorder : Assessment Of The Clinical Markers, Peripheral Blood Based Markers And Structural Neuroimaging Markers (Pertaining To Gray Matter Volume) In Individuals With Bipolar Disorder On Long-Term Lithium Propy	Dr. Raman Deep Pattanayak, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	2559480
376	Life Sciences	Biological And Molecular Typing Of Diverse Papaya Ringspot Virus (PRSV) Populations In Relation To Their Host Specificity, Aphid Transmissibility And Geo-Ecology	Dr. Basavaraj, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	2610144

377	Life Sciences	Ecological Modelling For Proactive Management Of Aedes Albopictus And Aedes Aegypti Vector Mosquitoes Of Dengue, Chikungunya And Zika Viruses In Different Regions Of India	Dr. Devi Shankar Suman, Zoological Survey of India, Kolkata, West Bengal, 700053	3990858
378	Life Sciences	3D Bioprinted In Vitro Drug Screening Platform To Investigate Cancer Metastasis To Bone	Dr. Binulal Nelson Sathy, Amrita Institute of Medical Sciences & Research Centre, Kochi, Kerala, 682041	3545520
379	Life Sciences	Exploring How B-Catenin Induced Metabolic Changes Can Be Exploited For Triple Negative Breast Cancer (TNBC) Prognosis And Therapeutics.	Dr. Chandra Prakash Prasad, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	4665458
380	Life Sciences	Investigating The Role Of Bivalent Chromatin And Immediate-Early Genes In Long-Term Memory Formation	Dr. Abhijit Das, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	4180000
381	Life Sciences	Functional Analysis Of Spodoptera Litura-Inducible Calmodulin-Like Protein From Glycine Max	Dr. Archana Singh, Hans Raj College, University of Delhi, Delhi, Delhi, 110007	4308394
382	Life Sciences	Development Of A Monoclonal Antibody Based Erns Antigen Capture-ELISA For Diagnosis Of Bovine Viral Diarrhea Virus (BVDV) Infection In Cattle	Dr. Kalaiyarasu S, National Institute of High Security Animal Diseases, Bhopal, Madhya Pradesh, 462021	3697056
383	Life Sciences	Role Of Centriole Protein, CPAP, In Neurodevelopmental Disorder	Dr. Priyanka Singh, Indian Institute of Technology Jodhpur, Jodhpur, Rajasthan, 342011	3874312
384	Life Sciences	Development Of Low Phytic Acid Lines Of Model Nutricereal, Foxtail Millet By Targeted Editing Of Pathway Gene(S) Using CRISPR/Cas9 System For Enhanced Bioavailability Of Micronutrients	Dr. Muthamilarasan M, National Research Centre on Plant Biotechnology, New Delhi, Delhi, 110012	3258144
385	Life Sciences	Broadening Genetic Diversity Of Indian Mustard (Brassica Juncea) Through Resynthesis Of Amphidiploid Genome By Crossing Parental Diploid Species.	Dr. Mahesh Rao, National Research Centre on Plant Biotechnology, New Delhi, Delhi, 110012	3363768
386	Life Sciences	Bioprospecting Plant Essential Oils For Insecticidal Properties Against Pulse Beetle Infesting Stored Legumes	Dr. Sanjay Maruti Bandi, Indian Institute of Pulses Research, Kanpur, Uttar Pradesh,	2933692
387	Life Sciences	Genomewide Molecular Sequence Convergence - Patterns And Processes	Dr. Nagarjun Vijay, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	4923600

388	Life Sciences	Association Mapping Of Seed Iron, Zinc Concentration And Anti-Nutritional Factors In Lentil (<i>Lens Culinaris Medik.</i>)	Dr. Muraleedhar Aski, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	3348864
389	Life Sciences	Insights Into Inhibition Of Peptidoglycan Pentaglycine Cross Bridge Forming Fem Proteins Of Methicillin Resistance <i>Staphylococcus Aureus</i>	Dr. Someswar Rao Sagurthi, Osmania University, Hyderabad, Telangana, 500007	2833600
390	Life Sciences	Study The Role Epigenetics In Capsicum F1 Hybrid Heterosis And Development Of Epigenetic Markers To Be Used In Future Capsicum Breeding Programme	Dr. Vandana Jaiswal, Jawaharlal Nehru University, New Delhi, Delhi, 110067	2706000
391	Life Sciences	Studies On The Interaction Mechanism Between Resistant Rice Varieties And Planthopper Assemblages Mediated Through The Phloem	Dr. Thangasuja Srinivasan, Sathyabama University, Chennai, Tamil Nadu, 600119	3855731
392	Life Sciences	High Throughput Screening Of Inhibitors To Desequester Plasmodium Gametocytes From Human Bone Marrow To Block Transmission Of Parasites	Dr. Kalyani Sunil Kulkarni, Directorate of Rice Research, Hyderabad, Telangana, 500030	4418417
393	Life Sciences	High Throughput Screening Of Inhibitors To Desequester Plasmodium Gametocytes From Human Bone Marrow To Block Transmission Of Parasites	Dr. Suchi Goel, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	3772560
394	Life Sciences	Delivery Of Resolvin Carrier For Treatment Of Osteoarthritis	Dr. Rachit Agarwal, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	4714717
395	Life Sciences	Investigation Of Clinicopathological Impact Of Cholesterol Metabolism In Glioblastomas And Identification Of Putative Actionable Target	Dr. Suvendu Purkait, All India Institute of Medical Sciences, Bhubaneswar, Bhubaneswar, Orissa, 781019	4810520
396	Life Sciences	Determining The Role Of N6-Methyladenosine Reader, YTHDC2 In Alternative Pre-mRNA Splicing	Dr. Ashish Misra, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	4950000
397	Life Sciences	Investigation Of Bacterivorous Soil Protozoa And Rhizosphere Bacterial Interactions For Improved Plant Growth Promotion: Testing The Auxiliary Microbial Loop Hypothesis	Dr. Amaresan Natarajan, C G Bhakta Institute of Biotechnology, Uka Tarsadia University, Surat, Gujarat, 394310	2905914
398	Life Sciences	Characterization Of Spliceosome-Associated NineTeen Complex (NTC) Like Proteins In <i>Toxoplasma Gondii</i>	Dr. Abhijit Subhashrao Deshmukh, National Institute of Animal Biotechnology, Hyderabad, Telangana, 500049	3072546

399	Life Sciences	Blocking Antiviral Protein Tetherin: A Novel Therapeutic Strategy For Systemic Lupus Nephritis	Dr. Ratika Srivastava, M S University of Baroda, Vadodara, Gujarat, 390002	3545520
400	Life Sciences	Improving Stability And Ensuring Targeted Delivery Of Anthocyanin Through Biopolymer Based Customized Triggered-Release Formulation	Dr. Anirban Dutta, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	2502144
401	Life Sciences	Combination Of GLP-1 And An Angiotensin II Type 1 Receptor Antagonist For The Treatment Of Type 2 Diabetes	Dr. Jayanta Bhattacharyya, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	3284904
402	Life Sciences	Study Of Astrocytic Plasticity In Stress Disorders	Dr. Swananda Vishvas Marathe, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	3718275
403	Life Sciences	Delineating The Role Of MicroRNAs In Mediating Transcriptional Alterations During Arsenic-Induced Hepatocellular Carcinogenesis	Dr. Amit Kumar Tripathi, National Institute for Research in Environmental Health, Bhopal, Madhya Pradesh, 462001	4060878
404	Life Sciences	Lipid Modification In Oilseed Crop Using $\Delta 6$ Des And $\Delta 5$ Des From Microalgae: A Focus Towards Omega 3/6 Fatty Acid Production	Dr. Kathiresan S, Madurai Kamaraj University, Madurai, Tamil Nadu, 625021	3434145
405	Life Sciences	Stress Resistance And Characterization Of Exopolysaccharides Secreted By Oral Bacterial Biofilm Communities: A Target For Developing Novel Anti-Biofilms Therapeutics	Dr. Saravanan Periasamy, Rajalakshmi Engineering College, Chennai, Tamil Nadu, 602105	3543980
406	Life Sciences	Role Of Municipal Wastewater Treatment Plants In Abundance And Dissemination Of Antibiotic Resistance In Urban Stream Of Ganges River	Dr. Vijay Tripathi, Sam Higginbottom Institute of Agriculture, Technology & Science, Allahabad, Uttar Pradesh, 211007	4296765
407	Life Sciences	Investigating Mechanisms Regulating Prion Formation And Propagation In Vivo	Dr. Parul Mishra, University of Hyderabad, Hyderabad, Telangana, 500046	3300000
408	Life Sciences	Assessment And Understanding Mechanism Of Insecticide Resistance In Tuta Absoluta: A New Invasive Pest In India	Dr. Prasannakumar N R, Indian Institute of Horticultural Research, Bangalore, Karnataka, 560089	3150144
409	Life Sciences	Bird Communication And Signal Propagation In Dynamic Soundscapes: Integrating Behavior, Physics And Community Ecology	Dr. Anand Krishnan, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	3102115

410	Life Sciences	Genome-Wide Association Mapping And Genetic Characterization Of Turcicum Leaf Blight (Setosphaeria Turcica) Resistance In Tropical Maize Germplasm	Dr. Bhupender Kumar, Indian Institute of Maize Research, New Delhi, Delhi, 141004	2833056
411	Life Sciences	Functional Dissection Of The Essential RNase Xrn2 ¹ By High Resolution Genetic Analysis	Dr. Venkata Raghavendra Aditya C, Centre for Cellular and Molecular Biology, Hyderabad, Telangana, 500007	4397328
412	Life Sciences	Exploring The Mechanism Of Accumulation And Migration Of Myeloid Derived Suppressor Cells (MDSC) In Tumor Bearing Host And Its Role In Tumor Establishment And Metastasis	Dr. Sankar Bhattacharyya, Sidho-Kanho-Birsha University, Puruliya, West Bengal, 723104	4385804
413	Life Sciences	Identification, Characterization And Validation Of MiRNAs And Target MRNAs Associated With Nitrogen Use Efficiency In Cultivated And Progenitors Based Synthetic Hexaploid Wheat	Dr. Lekshmy Sathe, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	3030239
414	Life Sciences	Fundamental Elucidation Of Role Of Hydrogen Peroxide (Reactive Oxygen Species) As Signaling Molecule For Enhanced Lipid Biosynthesis In Microalgae And Its Application For Enhancement Of High-Value Metabolites	Dr. Ajam Yakub Shekh, Central Food Technological Research Institute, Mysore, Karnataka, 570020	2535840
415	Life Sciences	Temporal Synchrony Of Plant And Its Endophytes In Insect Stress Responses	Dr. Vartika Mathur, Sri Venkateswara College, University of Delhi, New Delhi, Delhi, 110021	3518521
416	Life Sciences	Surveillance Of Dairy Products For Antibiotic Resistant Zoonotic Bacterial Pathogens Under Field Conditions	Dr. Raghu H V, National Dairy Research Institute, Karnal, Haryana, 132001	3487752
417	Life Sciences	Emergence Of Resistance To New Antibiotics Through Mutations And Higher Order Epistatic Interactions	Dr. Riddhiman Dhar, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	5465680
418	Life Sciences	To Elucidate The Mechanisms Regulating Testicular Germ Cell Apoptosis In High Fat Diet Induced Obesity Leading To Insulin Resistance	Dr. Sutapa Mukherjee, Visva Bharati University, Shanti Niketan, West Bengal, 731235	3932439
419	Life Sciences	To Investigate The Mechanism Of CRISPR-Cas Regulated Biofilm Formation In Salmonella Enterica Serovar Typhimurium	Dr. Sandhya Amol Marathe, Birla Institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	4371271

420	Life Sciences	Identification And Characterization Of The Host Kinases Involved In Regulating Influenza B Virus RNA Synthesis And Virus Replication	Dr. Arindam Mondal, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	5469263
421	Life Sciences	Kisspeptinergic System In The Hypothalamo-Ovarian Tissue And Its Role In Modulating The HPG Axis In The Anestrus Buffalo	Dr. Manas Kumar Patra, Indian Veterinary Research Institute, Bareilly, Uttar Pradesh, 243122	3049056
422	Life Sciences	Understanding The Role Of Long Non-Coding RNAs (LncRNAs) In Transforming Growth Factor-Beta (TGF-B) Pathway In Glioblastoma	Dr. Vivek Sharma, Birla Institute of Technology and Science Pilani- Hyderabad, Hyderabad, Telangana, 500078	4726480
423	Life Sciences	Identification Of The Regulatory Mechanisms Executed By Bile Acids During Inflammation Induced Colon Cancer	Dr. Trinath Jamma, Birla Institute of Technology and Science Pilani- Hyderabad, Hyderabad, Telangana, 500078	4382650
424	Life Sciences	Investigation Of The Functional Roles Of The RNA Polymerase I Transcription Factor Complex Selectivity Factor 1 By CRISPR/Cas9 Assisted Genome Engineering	Dr. Srivatsava Naidu, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	4771803
425	Life Sciences	Development Of Aptamer-Based Sensing Techniques For The Detection Of Delta- Aminolevulinic Acid, A Biomarker Of Effect In Lead Toxicity	Dr. Rajesh Ahirwar, National Institute for Research in Environmental Health, Bhopal, Madhya Pradesh, 462001	3234629
426	Life Sciences	Functional Characterization Of Peroxisomal Polyamine Oxidase Mediated Abiotic Stress Tolerance In Rice	Dr. Gopal Kumar Chowdhary, KIIT University, Bhubaneswar, Orissa, 751024	3985520
427	Life Sciences	Understanding The Role Of Exosomes In Marek's Disease Pathogenesis: An In Vitro Approach	Dr. Asok Kumar, Indian Veterinary Research Institute, Bareilly, Uttar Pradesh,	3535056
428	Life Sciences	Therapeutic Implications of Sphingosine-1-Phosphate In Vascular Remodeling and Liver Regeneration In Hepatopulmonary Syndrome	Dr. Sukriti, Institute of Liver & Biliary Sciences, New Delhi, Delhi, 110070	4499739
429	Life Sciences	Cognitive Behavioral Therapy Versus Steroids For Optimizing The Conventional Therapy Of Chronic Spontaneous Urticaria: A Single Blinded, Factorial Randomized Controlled Trial - CoBeTS Trial	Dr. Malathi Munisamy, Jawaharlal Institute of Postgraduate Medical Education & Research, Puducherry, Puducherry, 605006	4205520

430	Life Sciences	Development Of Economical Bioactive Double Network Hydrogels For Combinatorial Treatment Of Diabetic Wounds	Dr. Vignesh Muthuvijayan, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	2281911
431	Life Sciences	Design, Synthesis And Modeling Of Type 1 Interferon Antagonist For Treatment Of Tuberculosis.	Dr. Nanaocha Sharma, Institute of Bioresources And Sustainable Development, Imphal, Manipur, 795001	3980988
432	Life Sciences	Evaluation, Utilization And Disseminations Of Value Added Products From By-Products Of Bengal Gram (Cicer Arietinum) For Food Security.	Dr. Savita Budhwar, Central University of Haryana, Mahendragarh, Haryana, 123001	3841808
433	Life Sciences	Exploration Of Genomic Signatures For Indigenous Horses Using Next-Generation Sequencing Approaches	Dr. Anuradha Bhardwaj, National Research Centre on Equines, Hisar, Haryana, 125001	4179168
434	Life Sciences	The Structure And Evolution Of Environmental Resistomes	Dr. Shijulal Nelson Sathi, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	4453056
435	Life Sciences	Histological Subtype Specific Gene Expression Profiling Of Gastric Cancer In India	Dr. Shalini Datta, Indian Statistical Institute Kolkata, Kolkata, West Bengal, 700108	3414400
436	Life Sciences	Role Of Mixed-Lineage Kinase Domain-Like Protein (MLKL) As A Cell Death-Associated Molecular Pattern Molecule In Drugs/Xenobiotic-Induced Inflammatory Liver Diseases And Its Therapeutic Implications	Dr. Pradeep Kumar Sharma, Indian Institute of Toxicology Research, Lucknow, Uttar Pradesh, 226001	2854080
437	Life Sciences	Mapping And Marker Assisted Breeding For Alternaria Leaf Spot Resistance In Indian Cauliflower	Dr. Shrawan Singh, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	3290544
438	Life Sciences	Identification Of The Substrates Of DHHC Palmitoyl Acyltransferases By Rational Design Of Trifunctional Probe And Exploration Of Protein S-Palmitoylation	Dr. Sushabhan Sadhukhan, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	3674850
439	Life Sciences	Elucidating The Role Of GRAM-Domain Containing Gene(S) In Bacillus Amyloliqifaciens-Mediated Abiotic Stress Responses In Plants	Dr. Charu Lata, National Botanical Research Institute, Lucknow, Uttar Pradesh, 226001	3933134

440	Life Sciences	Evaluating Anti-Amyloidogenic Propensity Of Surface Functionalised Carbon Dots	Dr. Nandini Sarkar, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	3885266
441	Life Sciences	Maintenance Of Pro-Tumorigenic Repressive Chromatin By NF-KB: Towards Novel Therapeutic Approaches And Physiological Insights.	Dr. Sivakumar Vallabhapurapu, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	4572095
442	Life Sciences	Mechanistic Studies on Nuclear-Mitochondrial Crosstalk Regulated By Sirtuin- Interplay In The Pathogenesis Of Pulmonary Fibrosis	Dr. Samik Bindu, Cooch Behar Panchanan Barma University, Cooch Behar, West Bengal, 736101	5338954
443	Life Sciences	Development Of Real Time Multiplex PCR For The Detection Of Poultry Pathogens Causing Respiratory Infections	Dr. Rajashekhar R, College Of Veterinary And Animal Science,Kerala, Thrissur, Kerala, 680651	2946768
444	Life Sciences	Podocyturia In Children With Nephrotic Syndrome: Can Urine Podocyte Levels And Its Growth Characteristics Predict Steroid Resistance	Dr. Lavleen Singh, Chacha Nehru Bal Chikitsalaya, Delhi, Delhi, 110031	3764568
445	Life Sciences	Generation Of Naturally Occurring Beneficial HPFH Mutations Using CRISPR-Cas9 Based Targeted Genome Editing To Reactivate Fetal Hemoglobin: An Strategy For Treating B-Hemoglobin Disorders	Dr. Sivaprakash Ramalingam, Institute of Genomics and Integrative Biology, Delhi, Delhi, 110007	5495775
446	Life Sciences	Analyses On The Impact Of Bt Transgenic Events On The Predators Of Aphid	Dr. Siddalingappa Virupaxappa Hugar, University of Agricultural Sciences Dharwad, Dharwad, Karnataka, 580005	2436159
447	Life Sciences	Investigating Auxiliary Functions Of HSP110 In Malaria Causing Parasite Plasmodium Falciparum	Dr. Niti Kumar, Central Drug Research Institute, Lucknow, Uttar Pradesh, 226031	3824496
448	Life Sciences	Explore And Engineer Feruloyl Esterase From Mangrove Sediments For Bio Fuel Production	Dr. Ananthi Jeyaraman, Lady Doak College, Madurai, Tamil Nadu, 625001	3421264
449	Life Sciences	Tough Biomimetic Composite Inspired By Abalone Nacre Architecture For Lightweight Multilayered Armour Applications	Dr. Aruna Rakha, Post Graduate Institute of Medical Education and Research, Chandigarh, Chandigarh, 160012	5129288
450	Life Sciences	Epigenetics Of Endothelial Dysfunction During Cardiovascular Disease	Dr. Syamantak Majumder, Birla Institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	4497957

451	Life Sciences	RE-Emergence of <i>Vibrio Vulnificus</i> Risk in Seafood Safety In Response To Climatic Changes	Dr. Alamelu V, Dr M G R Fisheries College and Research Institute, Nagapattinam, Tamil Nadu, 611002	3967832
452	Life Sciences	G Proteins And Prions In Regulation Of Neuritogenesis In Diabetes Induced Neurodegeneration	Dr. Vasudharani Devanathan, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	3912832
453	Life Sciences	Selective Removal Of Inhibitors Found In Lignocellulosic Hydrolysates And Simultaneous Conversion Of Mixed Sugars Into Bio-Ethanol Using Microbial Consortium	Dr. Anita Singh, Central University of Jammu, Jammu, Jammu And Kashmir, 180012	2733764
454	Life Sciences	A Cellular And Molecular Investigation Of Dynamic Phytochemicals (Andrographolide And Plumbagin) In Tobacco Cutworm <i>Spodoptera Litura</i> Fab. And Their Non-Toxicity Against Beneficial Earthworm	Dr. Vasantha Srinivasan Prabhakaran, St Peters Institute of Higher Education and Research, Tiruvallur, Tamil Nadu, 600054	2974098
455	Life Sciences	Determining Seasonal And Spatial Occurrence Of Multiclass Endocrine Disrupting Chemicals In The Fishes, Crustaceans And Molluscs Of The Vembanad Urban Estuary: Risk Assessment By An Untargeted Metabolomics Approach	Dr. Niladri Sekhar Chatterjee, Central Institute of Fisheries Technology, Ernakulam (Kochi,Cochin), Kerala, 682029	3477859
456	Life Sciences	Physiological And Molecular Characterization Of Root Developmental Plasticity Under Low Nitrogen Availability.	Dr. Amar Pal Singh, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	4969909
457	Life Sciences	Structural And Functional Characterization Of An ABC Transporter Involved In The Maintenance Of Lipid Asymmetry In <i>Escherichia Coli</i> And <i>Shigella Flexneri</i> : Structure-Based Drug-Designing	Dr. Shankar Prasad Kanaujia, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	2750000
458	Life Sciences	Development Of High Yielding Rice Variety Of Manipur Black Scented Chakhao (<i>Oryza Sativa</i> L.)	Dr. Konsam Sarika, Icar Research Complex for Neh Region, Umiam, Meghalaya, 793103	12873600
459	Life Sciences	Cloning And Characterization Of Major Genes Involved In Stearidonic Acid Biosynthesis In <i>Buglossoides Arvensis</i> And Engineered Production Of Stearidonic Acid In Chia (<i>Salvia Hispanica</i>)	Dr. Sreedhar Rv, Central Food Technological Research Institute, Mysore, Karnataka, 570020	3011567

460	Life Sciences	Natural Variation Of Plant Root Development Under High Temperature Stress In Arabidopsis	Dr. Santosh Balasaheb Satbhai, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	3879832
461	Life Sciences	Identification Of Novel Biofilm Based Vaccine Candidates Of Pasteurella Multocida.	Dr. Vamshi Krishna Sriram, College of Veterinary Science Telangana, Hyderabad, Telangana, 506166	2901800
462	Life Sciences	Enabling High Throughput Phenotyping And Genetic Mapping For Canopy Size And Structure Components In Sorghum Diversity Panel: Novel Opportunities To Understand And Enhance Environmental Adaptations In Sorghum	Dr. Sunita Choudhary, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	2761408
463	Life Sciences	Spatial And Temporal Changes In Land-Use/Land-Cover Of Nongkhyllum Wildlife Sanctuary Of Meghalaya And Its Effect On Plant Diversity, Community Characteristics, Soil Physico-Chemical And Biological Properties	Dr. Shafiqul Islam Bhuyan, Pandit Deendayal Upadhyay Adarsha Mahavidalaya Assam, Sonitpur, Assam, 784184	2862222
464	Life Sciences	Differential Role Of Highly Related J-Proteins DnaJC19 And DnaJC15 In Mitochondrial Dysfunction	Dr. Devanjan Sinha, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	5071000
465	Life Sciences	Mapping Nucleosome Positioning And Their Influence On Stress Response In Chickpea	Dr. Manish Roorkiwal, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	4282277
466	Life Sciences	Marker-Assisted Introgression Of High-Yield And Durable Blast Resistance Genes (OsSPL14 And Pi-54) For Genetic Improvement In Manipur Black Rice (Chakhao)	Dr. Ngangkham Umakanta, Icar Research Complex for Neh Region, Umiam, Meghalaya, 793103	5136674
467	Life Sciences	ALUV-X – DEVELOPING ALGAE-BASED SUNSCREEN FORMULATIONS FOR WIDE-RANGING UV PROTECTION	Dr. Rishiram Ramanan, Central University of Kerala, Kasargod, Kerala, 671123	4744157
468	Life Sciences	Understanding The Role Of Nodule-Specific PIN-LIKES (PILS) Protein In Peanut Root Nodule Development	Dr. Senjuti Sinharoy, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	4824672
469	Life Sciences	Deciphering The Mechanism Of Bioengineered Substrate Driven Epithelial-To-Mesenchymal Transition: Implications In Breast Cancer Therapy	Dr. Neha Arya, All India Institute of Medical Science Bhopal, Bhopal, Madhya Pradesh,	3160344

470	Life Sciences	Characterization Of Rice Calmodulin-Lysine N-Methyltransferase (CaM KMT) Gene Aiming At Stress Mitigation And Grain Quality Improvement In Rice	Dr. Joydeep Banerjee, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	5408832
471	Life Sciences	“Estimation Of Site Specific Factor, Mutation And Dose Response Of Natural Radionuclides On Aquatic Biota From Kayamkulam Estuary, HBRA, Kerala – Eco-Friendly Remedial Measures Using Agro Waste”	Dr. M Saiyad Musthafa, The New College, Kolhapur, Maharashtra,	3538546
472	Life Sciences	Elucidating The Histones Role In A-Synuclein Aggregation: A Precursor For Parkinson’s Disease	Dr. Sivaraman Padavattan, National Institute of Mental Health and Neurosciences, Bangalore, Karnataka, 560029	5029033
473	Life Sciences	Integrated Biocatalytic Disintegration Of Chitin Rich Biowaste For Improved Production Of Bioactive Chitooligosaccharides, Glucosamine And Ethanol	Dr. Nidhi Pareek, Central University of Rajasthan, Kishangarh, Rajasthan, 305801	4163764
474	Life Sciences	Rod-Shaped Polymeric Nanoparticles For Targeted Delivery Of Artemisinin-Derivatives To Plasmodium-Infected Erythrocytes For Improved Intravenous Therapy Of Cerebral Malaria	Dr. Anil Brijbhushan Jindal, Birla Institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	4430250
475	Life Sciences	To Investigate The Critical Role Of Osteopontin (OPN) On MAVS-Mediated HCV Replication, Assembly And Impaired Host Innate Response During HCV Infection.	Dr. Jawad Iqbal, Jamia Millia Islamia, New Delhi, Delhi, 110025	5749715
476	Life Sciences	HaploNILs: Transcending From Candidate Genes To Haplotypes For Enhanced Genetic Gains In Rice	Dr. Vikas Kumar Singh, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh,	4630721
477	Life Sciences	Understanding Wnt Pathway And LncRNAs Interaction For The Identification Of Novel Therapeutic Targets In Triple-Negative Breast Cancers	Dr. Amit Kumar Pandey, Amity University Haryana, Gurgaon, Haryana,	5162998
478	Life Sciences	Genome-Wide Analysis Of WRKY Transcription Factors In Pearl Millet And Their Functional Characterization In Biotic Stress Tolerance.	Dr. Mrunmay Kumar Giri, KIIT University, Bhubaneswar, Orissa, 751024	4802147
479	Life Sciences	Understanding Structure-Function Relationship Of G-Quadruplex DNA Conformation With Plant Developmental Responses	Dr. Rohini Garg, Shiv Nadar University, Gautambudh Nagar, Uttar Pradesh,	5034832

480	Life Sciences	Exploration And Exploitation Of Seaweed Associated Endophytic Bacteria For Disease Management And Growth Promotion In Rice	Dr. Sakthivel Krishnan, Central Island Agricultural Research Institute, Port Blair, Andaman And Nicobar Islands, 744101	4133289
481	Life Sciences	Characterization Of M.Tb, MDR-M.Tb, BCG, RBCG, Infected Alveolar Macrophages And ESAT-6 Antigen Over Expressing Cells Derived Exosomes And Their Potential As Effective Adjuvant And Candidate Vaccines.	Dr. Mairaj Ahmed Ansari, Jamia Hamdard, New Delhi, Delhi,	2007500
482	Life Sciences	Development And Evaluation Of Novel Diagnostic And Prognostic Next Generation Assays For Patient Centric Therapy In Children With Acute Lymphoblastic Leukaemia In India	Dr. Debductta Ganguli, Tata Medical Centre, Mumbai, Maharashtra,	3412300
483	Life Sciences	Genomics-Guided Exploration Of Polyketide Synthases For Sustainable Production Of Long Chain Omega-3 Fatty Acid Via Metabolic Engineering	Dr. Hena Dhar, National Agri Food Biotechnology Institute, Mohali, Punjab,	3567661
484	Life Sciences	Discovery Of Genes Regulating Constituent Physiological Traits Of Water Use Efficiency In Rice Using Automated Mini-Lysimeter And Imaging Technologies	Dr. Ramegowda Hoshally Venkategowda, University of Agricultural Sciences Bangalore, Bangalore, Karnataka, 560065	5137533
485	Life Sciences	A Novel Rapid Sensitive Fluorescent Resonance Energy Transfer Technique For Selective Detection And Quantification Of Methicillin Resistant Staphylococcus Aureus	Dr. Sudarshan Kini, Nitte University, Mangalore, Karnataka, 575018	3613764
486	Life Sciences	Monoecious Sex Expression In Muskmelon (Cucumis Melo L.): Inheritance And Molecular Mapping Of Monoecism Using Linked Markers	Dr. Pradip Karmakar, Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh,	4194169
487	Life Sciences	Development Of Microbial Transformations And Their Applications For The Production Of Industrially Important Molecules	Dr. Koteswara Rao Vamkudoth, National Chemical Laboratory, Pune, Maharashtra, 411008	3691440
488	Life Sciences	Developing Novel Therapeutic Strategies To Target Telomerase And Telomeres In Cancer	Dr. Ekta Khattar, Svkm's Nmims, Mumbai, Maharashtra,	4987018
489	Life Sciences	Understanding Entry Of Chikungunya Virus And Engineering Self-Assembly System Based Anti-Chikungunya Vaccine	Dr. Upasana Ray, Indian Institute of Chemical Biology, Kolkata, West Bengal, 700032	3588133
490	Life Sciences	Cloning And Characterization Of PSPG Motif Containing Glycosyltransferase Genes Involved In Secondary Metabolism From Calotropis Procera	Dr. Vineeta Tripathi, Central Drug Research Institute, Lucknow, Uttar Pradesh, 226031	4644259

491	Life Sciences	Immunopathology In The Context Of Aging And Evolution	Dr. Imroze Khan, Ashoka University, Sonipat, Haryana,	4240445
492	Life Sciences	Role Of Gut Microbiota In The Behavioral Plasticity Of Zebra Fish Models	Dr. Binu Ramachandran, Christ College IRINJALAKUDA, Irinjalakuda, Kerala, 380125	3594800
493	Life Sciences	Mitochondrial Bioenergetics: Substrate Selection And Utilization In Normal And Diabetic Hearts – A Theoretical Study	Dr. Santosh Kumar Dasika, Andhra University College of Engineering, Vishakhapattanam, Andhra Pradesh,	3531264
494	Life Sciences	Developing Chicken Egg Yolk Antibodies (IgY) For Passive Immunotherapy To Combat Against Carbapenem-Resistant Diarrheagenic Escherichia Coli	Dr. Diraviyam T, Sastra University, Thanjavur, Tamil Nadu, 613401	3566332
495	Life Sciences	Sodium/Glucose Co-Transporter-1 (SGLT1) And Glucagon Like Peptide-1 (GLP-1) Mediated Nutrient Sensing In Metabolic Disorders	Dr. Maharshi Bhaswant Cheethirala, Sathyabama University, Chennai, Tamil Nadu,	5360300
496	Life Sciences	Silencing Of TCTP Gene Expression To Study The Regeneration In Earthworm Perionyx Excavatus	Dr. Selvanchristyraj Jacksondurairaj, Sathyabama University, Chennai, Tamil Nadu,	3745043
497	Life Sciences	Evaluation Of Season And Sex Specific Differential Gonadal Transcriptome Analysis In Adult Himalayan Snow Trout, Schizothorax Plagiostomus	Dr. Indrashis Bhattacharya, H N B Garhwal University, Uttarkashi, Uttarakhand,	4161432
498	Life Sciences	Molecular Ecology Of Aedes Aegypti In India: Elucidating Genetic Structure, Dispersal Potential And Connectivity Among Populations	Dr. Bhavna Gupta, Centre for Research in Medical Entomology, Madurai, Tamil Nadu,	4466059
499	Life Sciences	Multi-Omic Approaches And Mass Spectrometry Based Tissue Metabolite Imaging Towards Understanding Metabolites Localisation And Metabolic Pathways In Specific Cell/Tissues Of Key Medicinal Plant, Dysoxylum Binectariferum.	Dr. Mohanakumara Patel, Foundation for Revitalization of Local Health Tradition (FRLHT), Bangalore, Karnataka, 560106	4663451
500	Life Sciences	In Vitro Studies To Investigate The Therapeutic Approach Of Editing The Defective Exon 3 Of The Human CHST6 Gene Associated With Macular Corneal Dystrophy Through The CRISPR-Cas9 Technology	Dr. Suryaprakashgoud Ponnam, Tezpur University, Tezpur, Assam, 784028	4594832
501	Physical & Mathematical Sciences	Geometry of Warped Product Lightlike Submanifolds of semi-Riemmanian Manifolds	Dr. Sangeet Kumar, Sri Guru Teg Bahadur Khalsa College, Anandpur Sahib, Ropar, Punjab, 140118	1469600

502	Physical & Mathematical Sciences	Hilbert Polynomials Associated to Derived Functors of Torsion Functor.	Dr. Ganesh S Kadu, Savitribai Phule Pune University, Pune, Maharashtra, 411007	642205
503	Physical & Mathematical Sciences	Possibilities and Device Applications of Degenerate Optical Microcavities	Dr. Somnath Ghosh, Indian Institute of Technology Jodhpur, Jodhpur, Rajasthan,	3489308
504	Physical & Mathematical Sciences	Study Of Quantile Based Information Theoretic Measures On Order And Record Statistics	Dr. Vikas Kumar, Maharishi Dayanand University, Rohtak, Haryana, 124001	1756260
505	Physical & Mathematical Sciences	Complementary Probes Of Self-Interacting Dark Matter Models	Dr. Vikram Rentala, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	2811600
506	Physical & Mathematical Sciences	Phenomenology With Exotic Particles - Probing Physics Beyond The Standard Model At The Large Hadron Collider	Dr. Subhadip Mitra, International Institute of Information Technology Hyderabad, Hyderabad, Telangana, 500032	2503600
507	Physical & Mathematical Sciences	Convective Instabilities in Double Diffusive Systems	Dr. Ravi Ragoju, National Institute of Technology Goa, North Goa, Goa, 403401	1689600
508	Physical & Mathematical Sciences	Participation In Searches For New Physics At The Belle II Experiment	Dr. Rajeev Kumar, Punjab Agricultural University, Ludhiana, Punjab, 141004	2011020
509	Physical & Mathematical Sciences	Silicon Nanowire Based Radial P-N Junction Solar Cells With High And Stable Efficiency At Low-Cost	Dr. Arup Samanta, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	2648800
510	Physical & Mathematical Sciences	Theoretical Investigation On Non-Local Transport Of Particles In Sediment-Laden Turbulent Flows Using Fractional Diffusion Equations	Dr. Snehasis Kundu, International Institute of Information Technology Bhubaneswar, Bhubaneshwar, Orissa, 751003	1552100
511	Physical & Mathematical Sciences	Linear Complementarity Problems Over The Cone Of Completely Positive Matrices	Dr. Chandrashekar Arumugasamy, Central University of Tamilnadu, Thiruvarur, Tamil Nadu, 610001	2122560
512	Physical & Mathematical Sciences	Computational Study On Multi-Dimensional Stefan Problems In Biological Tissues Based On Non-Fourier Heat Transfer Model Using Mesh-Free Method	Dr. Sushil Kumar, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, 395007	1620518

513	Physical & Mathematical Sciences	Quantum Spin Liquids And Non-Fermi Liquid Metals	Dr. Subhro Bhattacharjee, International Centre for Theoretical Sciences, Bangalore, Karnataka, 560089	2288000
514	Physical & Mathematical Sciences	Development And Experimental Study Of Hollow Core Photonic Crystal Fibers For Efficient Laser Beam Delivery In The Infrared Region For Medical And Micromachining Applications	Dr. Debashri Ghosh, Central Glass & Ceramic Research Institute, Kolkata, West Bengal, 700032	2915308
515	Physical & Mathematical Sciences	Raising Organic Solar Cell Efficiency Through Systematic Manipulation And Control Of Film Morphology And Internal Built-In Potential With Electrotropic Additives And Electric Field Poling	Dr. Supravat Karak, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	3190000
516	Physical & Mathematical Sciences	Investigation Of Accelerating Universe And Dark Sector Interactions	Dr. Subhra Bhattacharya, Presidency University, Kolkata, West Bengal, 700073	1668591
517	Physical & Mathematical Sciences	Designing Novel Materials For Exploring Magnetic Skyrmions At Room Temperature	Dr. Ajaya Kumar Nayak, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	3913056
518	Physical & Mathematical Sciences	Emergent Phenomena In Frustrated Magnets And Heusler Materials	Dr. Panchanana Khuntia, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	4220480
519	Physical & Mathematical Sciences	Development Of Carbon Quantum Dots-Based Hydrogen Production Catalysts	Dr. Hareesh K, Reva University, Bangalore, Karnataka, 560064	1998480
520	Physical & Mathematical Sciences	Development And Characterization Of An ECR Plasma Thruster	Dr. Debaprasad Sahu, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	4471002
521	Physical & Mathematical Sciences	Velocity Map Photoelectron - Photoion Coincidence Imaging Spectrometer For VUV Molecular Physics.	Dr. Bhargavaram Niraghatam, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	5060000
522	Physical & Mathematical Sciences	Understanding Structural Phase Transition In Pnictide Superconductors Using Capacitance Dilatometer	Dr. Shibabrata Nandi, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	5187930

523	Physical & Mathematical Sciences	Development Of An Efficient Numerical Method For Solving Stochastic Partial Differential Equation And Its Application To Turbulent Flow Analysis	Dr. Rajendra Kumar Ray, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	2009918
524	Physical & Mathematical Sciences	Study Of Photo Induced Phase Transitions And Charge Carrier Dynamics Across First Order Metal To Insulator Phase Transition In The Vanadium Oxide Variants	Dr. Dinesh Kumar Shukla, Ugc Dae Consortium for Scientific Research, Indore, Indore, Madhya Pradesh, 452001	4939056
525	Physical & Mathematical Sciences	Thin Film Skyrmion Spin Textures	Dr. Vijay Raj Singh, Central University of Kashmir, Srinagar, Jammu And Kashmir, 190006	4264703
526	Physical & Mathematical Sciences	Design And Optimization Of Performance Parameters Of Hybrid Capacitors Using Graphene (Nano-Carbons)/Metal-Oxide Nano-Composites Electrodes With Sodium Ion Based Electrolytes	Dr. Yogesh Kumar, Atma Ram Sanatan Dharam College, University of Delhi, New Delhi, Delhi,	2159149
527	Physical & Mathematical Sciences	Theoretical Investigation Of The Multi-Component Condensates At Zero And Finite Temperatures	Dr. Sandeep Gautam, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	3855060
528	Physical & Mathematical Sciences	Understanding Fluctuation Dynamos In Galaxies And Clusters	Dr. Sharanya Sur, Indian Institute of Astrophysics, Bangalore, Karnataka, 560034	972000
529	Physical & Mathematical Sciences	Construction Of A Combined Recoil Ion Momentum And Electron Energy Spectrometer To Study Collision Induced Excitation And Fragmentation Of Molecules And Clusters.	Dr. Aditya H Kelkar, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	5280000
530	Physical & Mathematical Sciences	Hierarchical Assembly Of Hybrid Anisotropic Nanobuilding Blocks And Their Rheological Properties	Dr. Sunita Srivastava, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	5067858
531	Physical & Mathematical Sciences	Minimizing Hysteresis In Magnetic Shape Memory Heusler Alloys For Reversible Magnetocaloric Effect	Dr. Sanjay Singh, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh, 221005	4839838
532	Physical & Mathematical Sciences	Development Of Flexible And Hybrid Monolithic Perovskite Solar Cells By Integrating With Multi-Functional Chalcogenide Layers For High Performance	Dr. Thirumaleshwara N Bhat, Mangalore University, Mangalore, Karnataka, 574199	2723600
533	Physical & Mathematical Sciences	Complete Theoretical Analysis Of $D+\Gamma \rightarrow N+P$	Dr. Shilpashree S P, Christ University, Bangalore, Karnataka, 560074	1095290

534	Physical & Mathematical Sciences	Nonlinear Rheology Of Dense Colloidal Suspensions	Dr. Madhu Priya, Birla Institute of Technology Mesra, Ranchi, Ranchi, Jharkhand, 835215	2245108
535	Physical & Mathematical Sciences	Quantum Transport Studies Of Topological Semimetals	Dr. Devendra Kumar, UGC Dae Consortium for Scientific Research, Indore, Indore, Madhya Pradesh, 452001	5275136
536	Physical & Mathematical Sciences	Nanostructured NASICON, Eldfellite And Layered Oxides As Potential Cathode Materials For Na-Ion Batteries	Dr. Pares Hiralalsalame, Institute of Chemical Technology, Mumbai, Maharashtra, 400019	2709043
537	Physical & Mathematical Sciences	Design And Fabrication Of Plasmonic Light Harvesting Nano-Devices	Dr. Mallikarjuna Rao, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	4216259
538	Physical & Mathematical Sciences	Molecular Spintronics Using Magnetic Van Der Waals Heterostructures	Dr. Subhadeep Datta, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	5186314
539	Physical & Mathematical Sciences	Two Dimensional Transition Metal Sulfides@ Co-Ni Layered Double-Hydroxide Composites As Highly Efficient Supercapacitor Electrodes	Dr. Sachin Babasaheb Kulkarni, Tuljaram Chaturchand College, Pune, Maharashtra, 413102	3587494
540	Physical & Mathematical Sciences	Diffraction Vector Meson Production At HERA Using A Holographic AdS/QCD Approach	Dr. Neetika, I K Gujral Punjab Technical University, Kapurthala, Punjab, 144602	1891560
541	Physical & Mathematical Sciences	"A Systematic Investigation On 2D Transition Metal Carbides (MXene: A Graphene Analogous): Electrochemical Studies And Application For The Fabrication Of Flexible Electrochemical Biosensors."	Dr. Pranati Nayak, Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu, 630006	2717314
542	Physical & Mathematical Sciences	Investigations On Nonlinear Optical Properties Of 4-Methoxybenzylamine Metal Complexes	Dr. Sangeetha Kumaran, Sastra University, Thanjavur, Tamil Nadu, 613401	2022854
543	Physical & Mathematical Sciences	A Study On Questions Related To The Fourier Transform On The Heisenberg Group And To Certain Function Algebras On Locally Compact Groups	Dr. Lakshmi Lavanya Ramamurthy, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	1583558

544	Physical & Mathematical Sciences	Iterative Methods For Solving Non-Square Linear Systems	Dr. Manideepa Saha, National Institute of Technology Meghalaya, Shillong, Meghalaya, 793003	1748560
545	Physical & Mathematical Sciences	Performance And Evaluation Of High Energy Electron Irradiation On Metal Oxide Reduced Graphene Oxide Composite For Supercapacitor And Biosensor Applications	Dr. Gaurav Mahdev Lohar, Lal Bahadur Shastri College of Arts Science Commerce Satara, Satara, Maharashtra, 415002	2168085
546	Physical & Mathematical Sciences	Near Horizon Structure Of Black Holes	Dr. Srijit Bhattacharjee, Indian Institute of Information Technology Allahabad, Allahabad, Uttar Pradesh, 211012	1977248
547	Physical & Mathematical Sciences	Development Of High Photoresponsivity Gallium Nitride-Based Metal/Insulator/Semiconductor (MIS) Schottky Barrier Ultraviolet Photodetectors	Dr. Nanda Kumar Reddy, Madanapalle Institute of Technology & Science, Chittoor, Andhra Pradesh, 517325	4389784
548	Physical & Mathematical Sciences	Manipulation Of Quantized Conductance For Multilevel Atomic-Scale Devices Using Confined Redox-Phenomenon	Dr. Karthik Krishnan, Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu, 630006	4800168
549	Physical & Mathematical Sciences	Project Title: Mathematical Modelling Of Multi Drug Resistance Mechanism In Tuberculosis Using Petri Nets	Dr. Gajendra Pratap Singh, Jawaharlal Nehru University, New Delhi, Delhi, 110067	2108480
550	Physical & Mathematical Sciences	New Class Of Probability Distributions And Associated Inferences	Dr. Vikas Kumar Sharma, Institute of Infrastructure Technology Research and Management, Ahmedabad, Gujarat,	1954227
551	Physical & Mathematical Sciences	Numerical And Theoretical Investigation Of Different States Of Turbulence In Counterflow Superfluid Turbulence In A Channel	Dr. Pankaj Kumar Mishra, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	2181507
552	Physical & Mathematical Sciences	Cohomology Classes Of Suspension Of Generalised Projective Stiefel Manifold And Application	Dr. Subhash, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	1462560
553	Physical & Mathematical Sciences	Photo Induced Excess Charge Mediated Fluoride Ion Filtration	Dr. Jayachandra Bingi, Indian Institute of Information Technology Design and Manufacturing, Kanchipuram, Tamil Nadu, 600127	2375147

554	Physical & Mathematical Sciences	Ordered Classification Rules For Observations Into Several Correlated Normal, Elliptic, Von Mises-Fisher And Multivariate T-Populations	Dr. Nabakumar Jana, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	1674292
555	Physical & Mathematical Sciences	Particle Dark Matter Beyond The WIMP Paradigm: Model Building And Phenomenological Studies	Dr. Debasish Borah, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	2137520
556	Physical & Mathematical Sciences	Parameter Uniform Numerical Analysis For Singularly Perturbed Differential Equations Based On Mesh Adaptivity	Dr. Pratibhamoy Das, Indian Institute of Technology Patna, Patna, Bihar, 801103	2427010
557	Physical & Mathematical Sciences	Characterization And Applications Of Tailored Attosecond Pulses: A Theoretical Study	Dr. Gopal Dixit, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	4418480
558	Physical & Mathematical Sciences	Complex (Anti)Ferroic Oxides: Atomistic Simulations Of Statics And Dynamics At Finite Temperatures	Dr. Brijesh Kumar Mani, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	2201058
559	Physical & Mathematical Sciences	Study Of Stochastic Heat Engines Using Active Particles	Dr. Sourabh Lahiri, Birla Institute of Technology Mesra, Ranchi, Ranchi, Jharkhand, 835215	2149408
560	Physical & Mathematical Sciences	Mathematical Modeling Of The Biological Control Problems: Non-Chemical Methods In Population And Disease Control	Dr. Jai Prakash Tripathi, Central University of Rajasthan, Kishangarh, Rajasthan, 305801	1801222
561	Physical & Mathematical Sciences	Mathematical Modeling And Simulation Of Blood Flow In The Cardiovascular System	Dr. Sunanda Saha, Dayananda Sagar University, Bangalore, Karnataka, 560078	2218480
562	Physical & Mathematical Sciences	Flexible And And Surface Tailored Graphene Based Derivatives As Toxic Gas/Vapor	Dr. Hemen Kumar Kalita, Gauhati University, Guwahati, Assam, 781014	4826800
563	Physical & Mathematical Sciences	Reconfigurable Magnetic Vortices On Curved Surfaces	Dr. Senoy Thomas, Cochin University of Science and Technology, Kochi, Kerala, 682022	5426520
564	Physical & Mathematical Sciences	Generation, Imaging And Control Of Novel Coherent Electronic States In Artificial Ferromagnetic-Superconducting Hybrid Structures And Devices	Dr. Soumya Jyoti Ray, Indian Institute of Technology Patna, Patna, Bihar, 801103	4810408
565	Physical & Mathematical Sciences	Understanding The Electronic Properties Of Iron Based Superconductors Using Pressure And Strain Effects.	Dr. Sitikantha Dhurjati Das, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	5439500

566	Physical & Mathematical Sciences	Exploring The Magnetocaloric Properties Of Bulk Ceramics, Nanocrystalline And Thin Films Of Manganese Doped Rare-Earth Orthochromites	Dr. Neeraj Panwar, Central University of Rajasthan, Kishangarh, Rajasthan, 305801	4425520
567	Physical & Mathematical Sciences	Band Gap Tuning Of Absorber Layer And Buffer Layer For Eco-Friendly Sol-Gel Processed Cu ₂ ZnSnS ₄ (CZTS) Solar Cells	Dr. Amanpal Singh Clair, University of Rajasthan, Jaipur, Rajasthan, 302005	3820520
568	Physical & Mathematical Sciences	Perovskite Nanocrystals, Low Dimensional Perovskite Analogues And Their Application For Highly Efficient Multilayer Solution Processed Electroluminescent Devices	Dr. Ajay Kumar Perumal, Indian Institute of Science Education and Research Berhampur, Ganjam, Orissa, 760010	5276233
569	Physical & Mathematical Sciences	Perpendicularly Polarized Spin Transport In Semiconductors: An Investigation Using Electrical Spin Injection And Detection.	Dr. Bharati Tudu, Jadavpur University, Kolkata, West Bengal, 700032	4019180
570	Physical & Mathematical Sciences	Fluid Dynamical Aspects In Nucleation Of Laser Produced Nanoparticles In Liquids.	Dr. Arpita Nath, National Institute of Technology Meghalaya, Shillong, Meghalaya, 793003	5166893
571	Physical & Mathematical Sciences	Development Of SERS Based Sensor Using Graphene-Metal Nanoparticles Hybrid Structures For Detection Of Pesticides	Dr. Koppole Kamakshi, Madanapalle Institute of Technology & Science, Chittoor, Andhra Pradesh, 517325	4663740
572	Physical & Mathematical Sciences	Development Of Multi-Modal Non-Invasive Imaging Technique For Compact Computerized Tomography Scanning System Using Non-Linear Sparse Data Algorithm.	Dr. Mayank Goswami, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	5498548
573	Physical & Mathematical Sciences	Structure/Microstructure-Magnetotransport Correlations In Sputtered Magnetically Doped Bi ₂ Se ₃ Topological Insulator Thin Films	Dr. Sunil Singh Kushvaha, National Physical Laboratory, New Delhi, Delhi, 110012	4751513
574	Physical & Mathematical Sciences	On Spanning Trees - Generalizations And Variants (Theory And Algorithms)	Dr. Sadagopan Narasimhan, Indian Institute of Information Technology Design And Manufacturing, Kanchipuram, Tamil Nadu, 600127	1739980
575	Physical & Mathematical Sciences	Topological Properties Of Engel Structures.	Dr. Dheeraj Kulkarni, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1938420

576	Physical & Mathematical Sciences	"Investigating The Synergistic Effect Of 2-D Sheet Like Nanostructuring And Alien Material Incorporation For Improved Supercapacitor Electrode Performance Of Metal Chalcogenides"	Dr. Jitendra Gangwar, R P S Degree College, Mahendragarh, Haryana, 123029	1823501
577	Physical & Mathematical Sciences	Probing Inter-Layer Coupling In Engineered Van Der Waals Heterostructures	Dr. Chandni U, Indian Institute Of Science,Bangalore, Bangalore, Karnataka, 560012	4265385
578	Physical & Mathematical Sciences	High Performance Microsupercapacitors Based On Vertically Standing NiCo ₂ S ₄ /Graphene Arrays With Insights From Operando Raman Spectroscopy Investigations And DFT Studies	Dr. Chandra Sekhar Rout, Jain University, Ramanagara, Karnataka, 562112	4198480
579	Physical & Mathematical Sciences	Water Wave Interaction With Wave-Absorbing Breakwaters In The Presence Of Uneven Sea Bottoms	Dr. Ramanababu Kaligatla, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004	1679480
580	Physical & Mathematical Sciences	Development Of An Electrospray-Ionization Based Ion-Trap Setup For First Measurements Of Absolute Photodetachment Cross Sections Of Molecular Anions Of Biological Relevance	Dr. Sunil Kumar S, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	5441125
581	Physical & Mathematical Sciences	Non Local Elliptic Partial Differential Equations	Dr. Sarika Goyal, Bennett University Noida, Noida, Uttar Pradesh, 201301	1100000
582	Physical & Mathematical Sciences	Valleytronics In Gapped Dirac Materials	Dr. Prakash Parida, Indian Institute of Technology Patna, Patna, Bihar, 801103	3545520
583	Physical & Mathematical Sciences	Neuronal System Exhibiting Criticality At Different Organizational Level: Origin And Implications	Dr. Avinash Chand Yadav, Central University of Jammu, Jammu, Jammu And Kashmir, 180012	5463920
584	Physical & Mathematical Sciences	Modeling Self-Assembly And Phase Separation Kinetics In The Complex Soft Materials	Dr. Awaneesh Kumar Singh, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh, 221005	4654375
585	Physical & Mathematical Sciences	Investigations On Thin Films Of Discotic Liquid Crystal Molecules For Applications In Organic Electronics	Dr. Alpana Nayak, Indian Institute of Technology Patna, Patna, Bihar, 801103	4070000

586	Physical & Mathematical Sciences	Photonic Quantum Information Processing: Classical Implementation And Quantum Memory	Dr. Sandeep Kumar Goyal, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	2408807
587	Physical & Mathematical Sciences	Probing Charge Transport In Molecular Junctions With Impedance Spectroscopy And Transition Voltage Spectroscopy Approach	Dr. Sabyasachi Mukhopadhyay, S R M University Ap, Guntur, Andhra Pradesh, 522502	4830892
588	Physical & Mathematical Sciences	Investigation Of Novel Heusler Alloy Thin Films For Energy And Spintronic Applications	Dr. Himanshu Pandey, Jaypee Institute of Information Technology, Noida, Uttar Pradesh, 201307	4730000
589	Physical & Mathematical Sciences	Development Of Lead-Free All-Inorganic Halide Perovskites Embedded Silica Nanomatrix For Bioimaging Applications	Dr. D Thangaraju, PSG Institute of Technology and Applied Research, Coimbatore, Tamil Nadu, 641062	4895411
590	Physical & Mathematical Sciences	Development Of Graphene Metal Oxide And Conducting Polymer Based Ternary Nanocomposites For Supercapacitor Applications	Dr. Jnanendra Upadhyay, Dakshin Kamrup College, Kamrup, Assam, 781125	1948482
591	Physical & Mathematical Sciences	Neutral Natural Extensions Of The Standard Model At LHC And Beyond	Dr. Tirtha Sankar Ray, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	943800
592	Physical & Mathematical Sciences	A Novel Non-Perturbative Approach For Understanding Heavy-Ion Collisions	Dr. Ayan Mukhopadhyay, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	902000
593	Physical & Mathematical Sciences	Machine Learning Driven New Physics Probes Through Novel Kinematic And Substructure Variables	Dr. Arun Madhav Thalapillil, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	2433735
594	Physical & Mathematical Sciences	Non-Local Quantum Transport, Confinement And Correlation In Weyl Semimetals	Dr. Arijit Kundu, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	2458642
595	Physical & Mathematical Sciences	BI-CENTRALIZER OF Q-DEFORMED ARAKI-WOODS VON NEUMANN ALGEBRAS	Dr. Panchugopal Bikram, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	571780

596	Physical & Mathematical Sciences	Superconductivity In Artificial Quantum Materials	Dr. Srimanta Middey, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	5246514
597	Physical & Mathematical Sciences	Thermalization, Quantum Chaos And Many-Body Localization In Interacting Disordered Systems	Dr. Sumilan Banerjee, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	4107557
598	Physical & Mathematical Sciences	Weak Expectations: From A Barycentric Viewpoint	Dr. Angshuman Bhattacharya, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1892264
599	Physical & Mathematical Sciences	Lattice Effects In Strongly Correlated Electron Systems At Extreme Conditions	Dr. Rudra Sekhar Manna, Indian Institute of Technology Tirupati, Tirupati, Andhra Pradesh, 517506	4853438
600	Physical & Mathematical Sciences	Semitransparent Perovskite Solar Cells For Tandem And Building-Integrated Photovoltaic Applications (SPSC-TBIPV)	Dr. Dhirti Sundar Ghosh, Indian Institute of Technology Bhilai, Bhilai, Chhattisgarh, 492015	5577245
601	Physical & Mathematical Sciences	Multiple Zeta Functions: Functional And Approximate Functional Equations	Dr. Kasi Viswanadham, Indian Institute of Science Education and Research Berhampur, Ganjam, Orissa, 760010	1937342
602	Physical & Mathematical Sciences	Time Dependent Mean-Field Approach To Many-Body Localized Phase	Dr. Soumya Bera, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	3040049
603	Physical & Mathematical Sciences	Asymptotic Symmetries And Soft Theorems	Dr. Nabamita Banerjee, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	2073764
604	Physical & Mathematical Sciences	Development Of Stable Lead-Free Perovskite Material For Solar Cell Application	Dr. Sudip Kumar Saha, Diamond Harbour Women's University, Sarisha, West Bengal, 743368	4549877
605	Physical & Mathematical Sciences	Contractivity And Complete Contractivity For Finite Dimensional Banach Spaces And Curvature Inequalities Of The Corresponding Cowen-Douglas Bundle.	Dr. Avijit Pal, Indian Institute of Technology Bhilai, Bhilai, Chhattisgarh, 492015	1996764
606	Physical & Mathematical Sciences	Thermoelectric Properties Of Carbon Nanomaterials Under Pressure	Dr. Archana Tiwari, Sikkim University, Gangtok, Sikkim, 737102	5276223

607	Physical & Mathematical Sciences	Hecke Algebras Associated To Simple Bernstein Blocks	Dr. Manish Kumar Mishra, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	2184501
608	Physical & Mathematical Sciences	Development Of Diamond Quantum Microscope For Nanoscale Sensing At High Pressure	Dr. Phani Kumar Peddibhotla, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	3778500
609	Physical & Mathematical Sciences	Evaluation Of Intrinsic Piezoelectric Coefficients And Strain Engineering Near The Morphotropic Phase Boundary In Pb-Free Oxides.	Dr. Pranab Mandal, S R M University Ap, Guntur, Andhra Pradesh, 522502	4879369
610	Physical & Mathematical Sciences	Quantum Synchronization: Theory And Applications	Dr. Sai Vinijanampathy, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	3161457
611	Physical & Mathematical Sciences	Exotic Non-Abelian Edge States At FQHE-Superconductor Interfaces: Microscopic Modeling	Dr. Sreejith Ganesh Jaya, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	3505076
612	Physical & Mathematical Sciences	Understanding Thermal And Mechanical Stability Of Nanoconfined Glassy Polymer Films	Dr. Mithun Chowdhury, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	4339437
613	Physical & Mathematical Sciences	Van Der Waals Heterostructures For Non-Volatile Flash Memory Applications.	Dr. Abhishek Misra, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	4191000
614	Physical & Mathematical Sciences	Quantum Dot Circuit - Quantum Electrodynamics Systems: Fundamental Aspects And Device Applications	Dr. Manas Shreekanth Kulkarni, International Centre for Theoretical Sciences, Bangalore, Karnataka, 560089	2176740
615	Physical & Mathematical Sciences	Efficient Algorithms For Computing Equilibria In Games On Networks	Dr. Umang Bhaskar, Tata Institute of Fundamental Research, Mumbai, Mumbai, Maharashtra, 400005	939276
616	Physical & Mathematical Sciences	Photo-Rechargeable Organo Halide Perovskite-Transition Metal Dichalcogenide Batteries	Dr. Shahab Ahmad, Jamia Millia Islamia, New Delhi, Delhi, 110025	4898476

617	Physical & Mathematical Sciences	Scanning Hall Probe Microscopy For High Resolution, Large Area, Variable Height Magnetic Field Imaging	Dr. Gorky Shaw, KIIT University, Bhubaneswar, Orissa, 751024	4147000
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