

Science & Engineering Research Board

ECRA Projects Sanctioned in the Year 2017-18				
S. No	Discipline	Title	PI Details	Total Cost
1	Chemical Sciences	Development of new methodologies for the synthesis of diverse seven membered cyclic systems via ring opening annulation cascade using donor acceptor cyclopropanes	Dr. Jaideep Saha, Centre of Biomedical Research, Lucknow, Uttar Pradesh, 226014	3652000
2	Chemical Sciences	Synthesis and characterization of semiconductor/oxide materials for cost effective perovskite solar cell Modules	Dr. Jignasa Vimal Gohel, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat	1632000
3	Chemical Sciences	New Metal Organic Networks as promising electro active species for energy storage applications from materials development to prototype fabrication	Dr. Rik Rani Koner, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	3051000
4	Chemical Sciences	Self assembled amino acid based constructs as potential antimicrobial traps	Dr. Nishima Wangoo, Panjab University, Chandigarh, Chandigarh, 160014	2310000
5	Chemical Sciences	Phytochemical investigation of manilkara hexandra (Roxb.) and litsea glutinosa (Lour) in search of potent bio active lead	Dr. Dinesh Kumar Yadav, Mohanlal Sukhadia University, Udaipur, Rajasthan,	2560000
6	Chemical Sciences	Fabrication of full cell li-ion batteries using Advanced layered Ni-Zn-Mn cathode and tin alloy based anode with coin cell and pouch cell configurations	Dr. Gnanamuthu Rm, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	3187000
7	Chemical Sciences	Understanding The Novel Reactivity And Better Utilization Of Bicyclic Amidines: Multiple Roles Of Bicyclic Amidines In A Single Transformation	Dr. Venkata Ramana Doddi, Central University of Jammu, Jammu, Jammu and Kashmir,	3762000
8	Chemical Sciences	Spectrofluorimetric studies on representative nitrogen-heterocyclic drugs and their interaction with DNA-Nucleotides	Dr. N Shaemningwar, National Institute of Technology Silchar, Silchar, Assam	3309000
9	Chemical Sciences	Functionalized Meso/Microporous Nanostructured Metal Oxides Sensor For Screening Dispersed Heavy Metal Ions: One-Shot Disposable Sensor Strips	Dr. Ashoka Siddaramanna, Dayananda Sagar University, Bangalore, Karnataka, 560078	2645200
10	Chemical Sciences	Non-Metallic Heterojunction Photocatalyst Immobilized Microcapillaries As Optofluidic Reactors For The Effective Continuous Flow Solar Water Disinfection	Dr. Venkataravikumar Darbha, Amrita Vishwa Vidyapeetham University Coimbatore, Coimbatore, Tamil Nadu	2934200
11	Chemical Sciences	Fabrication Of Reusable Biocatalytic Microcapsules Using Microfluidic Device	Dr. Debabrata Patra, Institute of Nano Science and Technology, Mohali, Punjab, 160047	4518000
12	Chemical Sciences	Development Of Sustainable Catalyst System For The Installation Of CO ₂ As A	Dr. Sandipan Halder, Visvesvaraya National	4532000

		C-1 Feed Stock: Synthesis Of Value Added Compounds	Institute of Technology, Nagpur, Maharashtra, 440010	
13	Chemical Sciences	Crystal Engineering Of The Pharmaceuticals: An Approach To Address The Solubility Limitation Of Drugs	Dr. Aijaz Ahmad Dar, University of Kashmir, Srinagar, Jammu and Kashmir, 190006	3102000
14	Chemical Sciences	Design of Mechanically Dual Responsive Molecular Crystals: A Crystal Engineering Approach	Dr. Soumyajit Ghosh, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	3657000
15	Chemical Sciences	Synthesis of Heterocycles towards the Benevolence of Society	Dr. Shovan Mondal, Syamsundar College, Burdwan, West Bengal, 713424	3212000
16	Chemical Sciences	Fundamental Studies Of Na+ Ion Storage Mechanisms In Amorphous Carbon (Hard & Soft) Materials	Dr. Raghu Subash Chandrabose, Vels University, Chennai, Tamil Nadu	2802000
17	Chemical Sciences	Investigation Of Composite Materials For Gas Storage And Separation: A Multiscale Modeling Approach (COMA-GASS)	Dr. Prakash M, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	2937000
18	Chemical Sciences	Search For New Transition Metal Based Zintl Phases With Complex Crystal Structures For Thermoelectric Applications	Dr. Jai Prakash, Indian Institute of Technology Hyderabad, Hyderabad, Telangana , 502205	5296800
19	Chemical Sciences	Protein Disaggregation Mechanisms Through Surface Patterning	Dr. Mithun Radhakrishna, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	2970000
20	Chemical Sciences	New Single Source Precursors For Potential Nanostructured Bi ₂ Te ₃ /Sb ₂ Te ₃ System Based Thermoelectric Materials	Dr. Ramesh Kashinath Metre, Indian Institute of Technology Jodhpur, Jodhpur, Rajasthan,	3212000
21	Chemical Sciences	“Functionalized Poly Diacetylenes As Multi Modal Sensors”	Dr. Subramanian Sungaravadeivel, Ssm Institute of Engineering and Technology, Dindigul, Tamil Nadu,	3084000
22	Chemical Sciences	Development Of Novel Hydroxyl Functionalized Imidazolium Polymer Electrolyte Membranes For Alkaline Fuel Cell Applications	Dr. Anil Rao, Siddaganga Institute of Technology, Tumkur, Karnataka,	3368000
23	Chemical Sciences	Synthesis, Characterization And Evaluation Of Structured Lipids For Potential Bioactive Applications	Dr. Shiva Shankar Kaki, Indian Institute of Chemical Technology, Hyderabad, Telangana , 500607	2820000
24	Chemical Sciences	Delineation Of The Physico-Chemical Basis Of The Progress Of C-C Bond Forming Organic Reactions In Aqueous And Natural Supersaturated Media.	Dr. Arpan Manna, Adamas University, Kolkata, West Bengal, 700126	2854000
25	Chemical Sciences	Development Of Theoretical Models To Describe ¹⁴ N- ¹ H Decoupling In Solid-State NMR	Dr. Manoj Kumar Pandey, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	3850000
26	Chemical Sciences	Catalytic Asymmetric Fluorination/Trifluoromethylation By C-H Activation	Dr. Sureshkumar Devarajulu, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	3792000

27	Chemical Sciences	Design And Development Of Poly(Vinyl Alcohol-Co-Styrene Sulfonic Acid) Based Functional Membranes For Fuel Cells Application.	Dr. Jaydevsinh Makhubha Gohil, Central Institute of Plastics Engineering & Technology, Bhubaneswar, Orissa,	2200000
28	Chemical Sciences	Design And Synthesis Of Selective Inhibitors Of Human Lactate Dehydrogenase 5 (HLDH5): Targeting The Tumor Glycolysis For Cancer Therapy	Dr. Reshma Rani, Amity University Noida, Noida, Uttar Pradesh,	3599000
29	Chemical Sciences	Approach Towards Tailoring The Interfacial Structure And Property Of Lignin For Flexible Bio-Polymer Film Application	Dr. Ajit Singh, North East Institute of Science & Technology, Jorhat, Assam,	2808000
30	Chemical Sciences	Synthesis And Development Of Peptidomimetic Scaffolds Targeting The Substance P ₁₇ Binding Sites.	Dr. Ankur Pandey, Panjab University, Chandigarh, Chandigarh, 160014	3410000
31	Chemical Sciences	In Search Of High Energy Density Cathodes For Sodium Ion Batteries	Dr. Premkumar Senguttuvan, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Karnataka, 560064	4682000
32	Chemical Sciences	Rapid Access To Synthetically Useful Complex Carbo- And Heterocycles Through Cascade Reactions And Continuous Flow Microreactor Processes.	Dr. Sabyasachi Bhunia, Central University of Jharkhand, Ranchi, Jharkhand,	3894000
33	Chemical Sciences	Nitrovinyl Compounds And Their Bioisosters As Cysteine Protease Inhibitors For Leishmanial Chemotherapy	Dr. Syed Shafi, Jamia Hamdard, New Delhi, Delhi,	2200000
34	Chemical Sciences	Multi-Shelled Metal Oxides As Electrocatalysts	Dr. Jayeeta Chattopadhyay, Amity University Jharkhand, Ranchi, Jharkhand, 834001	2999000
35	Chemical Sciences	Design, Synthesis And Biological Evaluation Of Novel Isoquinoline Amide And Sulphonamide Analogues As Autotaxin Inhibitors	Dr. Venkatesh Miriyala, Vignan Institute of Technology and Science, Hyderabad, Telangana , 500036	2787000
36	Chemical Sciences	Magnetically Separable Organic-Inorganic Hybrid Nanoparticles Supported Group 2 Metal Catalysts For Hydroamination Reactions	Dr. Sarish S, N S S College, Pathanamthitta, Kerala,	3762000
37	Chemical Sciences	High-Strength Self-Healing Block Copolymers Through Mussel-Inspired Metal-Ligand Coordination	Dr. Rajat Kumar Das, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	3630000
38	Chemical Sciences	Efficient Carbon Dioxide Reduction With Biomimetically-Functionalized Polyoxometalates	Dr. Abhishek Banerjee, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	4986000
39	Chemical Sciences	Investigation Of Anion- π Interactions In Beautifully Simple, Yet Much Effective Meso-Substituted Two And/Or Four Walls Functionalized Calix[4]Pyrroles (C4Ps)	Dr. Rashid Ali, Jamia Millia Islamia, New Delhi, Delhi, 110025	4063000
40	Chemical Sciences	Integrated Photobioelectrochemical Systems For Efficient CO ₂ Sequestering	Dr. Snehangshu Patra, Indian Institute of Engineering Science and	3047000

			Technology (Iiest), Howrah, West Bengal,	
41	Chemical Sciences	Deep Desulfurization of liquid fuels through microbe assisted metal modified adsorbents	Dr. LaxmiGayatri Sorokhaibam, Visvesvaraya National Institute of Technology, South ambazari road, nagpur, Maharashtra, 440010	3410000
42	Chemical Sciences	Development of efficient methodologies for the synthesis of highly substituted pyridazines	Dr. Raju Singha, PANSKURA BANAMALI COLLEGE, Panskura rs, dist-purba medinipur, Midnapore, West Bengal, 721152	2939000
43	Earth & Atmospheric Sciences	Rapid Assessment Of Soil Arsenic, Cadmium And Lead Pollution In Peri-Urban Agricultural Fields Via Portable X-Ray Fluorescence Spectrometry And Machine Learning	Dr. Somsubhra Chakraborty, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	1689000
44	Earth & Atmospheric Sciences	Comparison Of Phase Velocities Of Rayleigh Waves, Love Waves And Torsional Waves In Various Anisotropic Geo-Media	Dr. Sumit Kumar Vishwakarma, Birla Institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana , 500078	1366800
45	Earth & Atmospheric Sciences	Investigations On Foraminiferal Abundance In The Late Quaternary Sediments Of The Bay Of Bengal And The Andaman Sea For Paleo Monsoon Reconstruction	Dr. Sijinkumar AV, Central University of Kerala, Kasargod, Kerala, 671123	3595000
46	Earth & Atmospheric Sciences	Seasonal Dynamics Of Microzooplankton And Their Trophic Role In The Pelagic Food Web Of The Northern Coastal Waters Of Bay Of Bengal	Dr. Jasmine Purushothaman, Zoological Survey of India, Kolkata, West Bengal,	3927800
47	Earth & Atmospheric Sciences	A Seismic Transect Across Northeastern India Beneath The Shillong Plateau	Dr. Mohit Agrawal, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	4305000
48	Earth & Atmospheric Sciences	Exploring soil microbial community and mechanisms in soil carbon sequestration under long term land uses in semiarid-sub humid Central India	Dr. Sudeshna Bhattacharjya, Indian Institute of Soil Science Bhopal, Bhopal, Madhya Pradesh, 462038	4398200
49	Earth & Atmospheric Sciences	Identification of hydrogeochemical controls on occurrence of high Fluorides in bed rock aquifers of Shanmuganadhi Sub – basin, Amaravathi River, Tamil Nadu – a special stress on remediation by Managed Aquifer Recharge	Dr. Karunanidhi Duraisamy, Sri Shakthi Institute of Engineering and Technology, Coimbatore, Tamil Nadu, 641062	2627200
50	Earth & Atmospheric Sciences	Holocene centennial to millennial scale changes in Indian summer monsoon: a multi proxy record from high altitude regions of Uttarakhand Himalaya	Dr. Sumanlata Rawat, Wadia Institute of Himalayan Geology, Dehradun, UTTARAKHAND, 248001	4046200
51	Earth & Atmospheric Sciences	Stability and transport properties of nanopesticides in the soil environment: Understanding the safety of applying nanotechnology to the agricultural sector	Dr. Gopala Krishna Darbha, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	4846000

52	Earth & Atmospheric Sciences	Geochemistry of boron and its availability in soils of Indo-Gangetic plains under predominant cropping systems	Dr. Ruma Das, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	3439800
53	Earth & Atmospheric Sciences	Process identification of pre-monsoon season convective activity genesis and response of thermodynamics under a climate change scenario over Eastern and Northeastern India	Dr. Bhishma Tyagi, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	2362200
54	Earth & Atmospheric Sciences	Geo-Thermochronological Investigation Of Lesser Himalayan Crystallines Of Garhwal Region, NW-Himalaya: Implication To Extrusion And Duplexing Models.	Dr. Paramjeet Singh, Wadia Institute of Himalayan Geology, Dehradun, UTTARAKHAND, 248001	3891200
55	Earth & Atmospheric Sciences	Structure And Seismic Anisotropy Pattern Around The Kumaon-Garhwal Region-A Seismological Study	Dr. Narendra Kumar, Wadia Institute of Himalayan Geology, Dehradun, UTTARAKHAND, 248001	1962200
56	Earth & Atmospheric Sciences	Phyto-Health An Investigation Of Phytoplankton Functional Type, Photoacclimation And Grazing Dynamics In The Chilika Lagoon: A Pigment Chemotaxonomy Approach	Dr. Tamoghna Acharyya, Xavier University, Puri, Orissa, 752050	3281000
57	Earth & Atmospheric Sciences	Numerical Investigations On Wave Activities In The Stratosphere	Dr. Anirban Guha, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1995000
58	Earth & Atmospheric Sciences	Mobility, Bioaccessibility And Source Apportionment Study Of Toxic Heavy Metals In Indoor And Outdoor Dust Environment: An Isotope Fingerprinting Approach	Dr. Tanushree Bhattacharya, Birla Institute of Technology Mesra, Ranchi, Ranchi, Jharkhand, 835215	4190700
59	Earth & Atmospheric Sciences	Delineation Of Shallow Subsurface Morphotectonics Below The Central Seismic Gap - Himalaya Using An Integration Of Passive And Controlled Source Seismology	Dr. Dibakar Ghosal, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	5319000
60	Earth & Atmospheric Sciences	Black Carbon Aerosols Over Jamshedpur: Source, Radiative Forcing And Climate Impact	Dr. Balram Ambade, National Institute of Technology Jamshedpur, Jamshedpur, Jharkhand, 831014	3680000
61	Earth & Atmospheric Sciences	Enigma Of Positive And Negative Carbon Isotope Excursions In Late Permian To Early Triassic Interval	Dr. Arptia Samanta, Asutosh College, Kolkata, West Bengal, 700026	1430000
62	Earth & Atmospheric Sciences	Site Characterization For Seismic Hazard Analysis Using Microtremor Measurements In Saurashtra Region Of Western India	Dr. Ajay Pratap Singh, Institute of Seismological Research, Gandhinagar, Gujarat,	2797880
63	Earth & Atmospheric Sciences	Three Dimensional Attenuation Tomography From Strong Ground Motion Data For Garhwal Region, India	Dr. Praveen Kumar, Wadia institute of Himalayan Geology, Dehradun, Uttarakhand, 248001	1962200
64	Engineering Sciences	Development of an energy efficient wireless sensor network for precision agriculture	Dr. Hari Prabhat Gupta, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	3447130

65	Engineering Sciences	QCA Logic Circuit Design in Application to Health Care Device Design and Simulation	Dr. Kunal Das, Narula Institute of Technology Kolkata, Kolkata, West Bengal, 700109	1446540
66	Engineering Sciences	Scale up of a stirred tank bioreactor through modeling and simulations	Dr. Akshay Prakash, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	2349180
67	Engineering Sciences	Experimental mathematical and kinetic modeling of microbial fuel cell probes from the waste water	Dr. Satya Eswari J, National Institute of Technology Raipur, Raipur, Chhattisgarh, 492010	3942400
68	Engineering Sciences	Design and analysis of reactor for catalytic co-pyrolysis of biomass and plastic a treatment techniques for mixed solid waste	Dr. Remya Neelancheery, Indian Institute of Technology Bhubaneswar, Bhubaneswar, Orissa, 751013	3059710
69	Engineering Sciences	Severity quantification of defects in rolling element bearings	Dr. Piyush Shakya, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	3728180
70	Engineering Sciences	Design And Development Of Fingerprint And Face Recognition Systems For Infants And Toddlers (IATs)	Dr. Amol Deodas Rahulkar, National Institute of Technology Goa, North Goa, Goa,	1634270
71	Engineering Sciences	Formability study of inconel 625 alloy at elevated temperatures for aerospace applications	Dr. Nitin Ramesh Rao Kotkunde, Birla Institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana , 500078	3143250
72	Engineering Sciences	Development of coordination control schemes for hybrid AC/DC micro grid for a stable and reliable system operation	Dr. Chintamani Vyjayanthi, National Institute of Technology Goa, North Goa, Goa,	4230600
73	Engineering Sciences	Response of hemispherical sandwich shell structures subjected to projectile impact	Dr. Gaurav Tiwari, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	2197030
74	Engineering Sciences	Non Thermal Plasma Catalytic Reactor for simultaneous removal of NO and VOCs (PCR-NO _x VOC)	Dr. Sivachandiran Loganathan, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	3766510
75	Engineering Sciences	Cyber physical systems for M-Health	Dr. Sudhir Kumar, Indian Institute of Technology Patna, Patna, Bihar,	2215310
76	Engineering Sciences	Understanding The Mechanism Of Film Formation In Bio-Polymers Based Edible Films And Coatings For Food Packaging Applications	Dr. Karnail Baldev Singh, Shiv Nadar University, Gautambudh Nagar, Uttar Pradesh,	4216080
77	Engineering Sciences	Nonlinear optics in the mid infrared wavelength range using chip scale germanium photonic devices	Dr. Varun Raghunathan, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	4221920
78	Engineering Sciences	Bio-energy production from high strength industrial wastewater (slaughterhouse wastewater) with	Dr. Farrukh Basheer, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	1430000

		anaeobic SBR combining with aerobic SBR for safe discharge of treated water		
79	Engineering Sciences	Development Of Microwave Assisted Lead-Free High Performance Piezoelectric Materials	Dr. Rajim Ali Mondal, Sukumar Sengupta Mahavidyalaya, Paschim Medinipore, West Bengal, 721150	3095070
80	Engineering Sciences	IT4All – Information Technology for All	Dr. Pradipata Biswas, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1442020
81	Engineering Sciences	Wavelet entropy based multiscale performance analysis: An approach to assess and improve hydrological models	Dr. Maheswaran Rathinasamy, M V G R College of Engineering, Vizianagaram, Andhra Pradesh, 535005	1701310
82	Engineering Sciences	Non Thermal Plasma Cleaning Enrichment and reforming of gaseous hydrocarbons	Dr. Lakshminarayana Rao, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	3453270
83	Engineering Sciences	Potential Application of ionic liquids in CO ₂ capture process for sustainable energy and environment	Dr. Dhanalakshmi Jayaraman, S S N College of Engineering, Kalpakkam, Tamil Nadu,	2652100
84	Engineering Sciences	A harmonic elimination scheme with reduced switching losses for a 3-phase open end winding induction machine using only conventional two level inverters in the entire modulation range	Dr. Sheron Figarado, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	2821500
85	Engineering Sciences	Development of a new non destructive testing method for the detection of hidden corrosion and cracks in stainless steel structures	Dr. Chandrasekhar Angani, Gitam University, Vishakhapatnam, Andhra Pradesh, 530045	2943600
86	Engineering Sciences	A Secure And Scalable Inter-Cloud Authorisation Framework For Resource Sharing In Cloud Environment.	Dr. Fernandes Ahmed Barbhuiya, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1866810
87	Engineering Sciences	MonitNoise An IoT based level assessment system in urban cities of India	Dr. Trilochan Panigrahi, National Institute of Technology Goa, North Goa, Goa,	2178950
88	Engineering Sciences	Automated sample preparation real life biprotocol implementation and synthetic biology using microfluidic lab on a chips (LoCs)	Dr. Sudip Roy, Indian Institute of Technology Roorkee, Roorkee, UTTARAKHAND, 247667	3182220
89	Engineering Sciences	Static Stability analysis of carbon nanotube reinforced laminated composite plate subjected to Axial Compressive loading	Dr. Tanish Dey, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	2985400
90	Engineering Sciences	Design And Development Of Compliant Microgripper For Performing Minimally Invasive Biopsies	Dr. Bharanidaran Ramalingam, Vit University, Vellore, Tamil Nadu, 632014	2216500
91	Engineering Sciences	Investigations On Chalcogenide Photodetectors	Dr. Sunny Sharma, Indian Institute of Information Technology Allahabad, Allahabad, Uttar Pradesh,	5247660
92	Engineering Sciences	Development of modular type high speed ultra precision machining center	Dr. Vivek Bajpai, Indian Institute of Technology	3516100

			(Indian School of Mines), Dhanbad, Jharkhand,	
93	Engineering Sciences	Mechanistic correlation between homeostatic pressure and metastatic competence in cancer cells	Dr. Bibhu Ranjan Sarangi, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	4872800
94	Engineering Sciences	Fault Diagnosis Mechanical Machine using stator current monitoring technique	Dr. Sukhjeet Singh, Guru Nanak Dev University, Amritsar, Punjab, 143005	2683370
95	Engineering Sciences	Experimental And Numerical Investigation Of Indigenous Sustainable Solutions For Building Acoustics And Quantitative Characterization Of The Effect Of Various Acoustic Parameters On The Overall Perception Of Room Acoustic Properties	Dr. Yasser Rafat, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	2448850
96	Engineering Sciences	Experiment and analysis of energy saving variable displacement hydrostatics actuation (VDEHA) system	Dr. Nimai Pada Mandal, National Institute of Technology Patna, Patna, Bihar, 800005	2424680
97	Engineering Sciences	Bridging network science and HPC Accelerating big data centric network analytics using HPC Technologies	Dr. Dip Sankar Banerjee, Indian Institute of Information Technology Guwahati, Guwahati, Assam, 781001	2795130
98	Engineering Sciences	Development of a road information modeling (RIM) based coordination method for utility relocation	Dr. Aneetha Vilventhan, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	1681940
99	Engineering Sciences	Simultaneous Electrolytic In-Situ Generation Of Hydrolyzable Metal Cations And Hydrogen Peroxide For The Removal Of Arsenic From Water Medium	Dr. Pv Nidheesh, National Environmental Engineering Research Institute, Nagpur, Maharashtra, 440020	3494880
100	Engineering Sciences	New Generation Nanoelectronic Devices design modeling and fabrication	Dr. Adityasankar Medury, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	3933600
101	Engineering Sciences	Intelligent fault distance estimation scheme for high voltage AC and high voltage DC transmission lines an comparative study of various artificial intelligent techniques to explore a suitable scheme	Dr. Aleena Swetapadma, Kalinga Institute of Industrial Technology, Bhubaneswar, Orissa,	1653740
102	Engineering Sciences	Design And Development Of Gallium Nitride Based Terahertz Solid-State Sources	Dr. Arindam Biswas, Asansol Engineering College, Asansol, West Bengal, 713305	1566660
103	Engineering Sciences	Design and Development of Efficient Cancelable Template Generation Methods for Fingerprint and Iris Biometrics	Dr. Somnath Dey, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	2059860
104	Engineering Sciences	Higher overall stiffness of triangular shaped ductile/brittle lattice composite structure compared to square and hexagonal shaped structure	Dr. Gaurav Singh, Birla Institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	4463010
105	Engineering Sciences	Human Position tracking and detection using geometric active contours mapping	Dr. Arulananth TS, M L R Institute of Technology,	1641920

		algorithm and connected component operators (CCO)	Hyderabad, Telangana , 500043	
106	Engineering Sciences	Optimization models and algorithms for non parallel support vector machines	Dr. M Tanveer, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	2403500
107	Engineering Sciences	Engineering photosynthetic nanopigments for efficient valorization of lignocellulosic biomass	Dr. Jayeeta Bhaumik, Centre of Innovative and Applied Bio Processing, Mohali, Punjab, 160071	4435950
108	Engineering Sciences	Analysis of cardiovascular disorders using Heart sound signals	Dr. Shivnarayan Patidar, National Institute of Technology Goa, North Goa, Goa,	2492600
109	Engineering Sciences	Development of image retrieval methods for biomedical and health informatics	Dr. Shiv Ram Dubey, Indian Institute of Information Technology Chittoor, Chittoor, Andhra Pradesh, 517588	1852330
110	Engineering Sciences	Explaining the puzzling experimental observations of polymer dynamics in solutions: theoretical and computational studies over multiple length and time scales	Dr. Indranil Sahadlal, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	5473600
111	Engineering Sciences	Development Of Highly Efficient Electrode Materials For Rechargeable Li-Ion Batteries With In-Situ Monitoring Of Safety Issues By Embedded Flexible Micro-Sensor	Dr. Kumaran Vediappan, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	5475590
112	Engineering Sciences	Development low cost Air filter for particles smaller than 2.5 protect school children hospital from air pollution	Dr. Debabrata Sarkar, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	3976440
113	Engineering Sciences	Physical Layer Security In Cooperative Cognitive Relay Networks	Dr. Suneel Yadav, Indian Institute of Information Technology Allahabad, Allahabad, Uttar Pradesh,	4548500
114	Engineering Sciences	Damage Assisted failure of engineering structures using cohesive zone approach and XFEM	Dr. Sachin Kumar, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	1584770
115	Engineering Sciences	IoT Diff service differentiation for personal IoT Hub	Dr. Sandip Chakraborty, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	2371600
116	Engineering Sciences	Numerical Simulation Of Thermoelastic Fracture Problems Using Element Free Galerkin Method	Dr. Mohit Pant, National Institute of Technology Hamirpur, Hamirpur, Himachal Pradesh, 177005	1638230
117	Engineering Sciences	Early detection of cataract: An IoT based approach	Dr. Priyanka Kokil, Indian Institute of Information Technology Design and Manufacturing, Kanchipuram, Tamil Nadu, 600127	1685530
118	Engineering Sciences	Study And Design Of Broad-Band Frequency Selective Surfaces (FSS) Structures For Various RF And Microwave Applications	Dr. Gopi Shrikanth Reddy, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	5197910

119	Engineering Sciences	Development of an intelligent drone system for pesticide spraying applications in precision agriculture	Dr. Bbvl Deepak, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	1939350
120	Engineering Sciences	An investigation on the performance of IEEE 754 double precision Co-processor using asynchronous circuit design methodology	Dr. Sudhakar Jyothula, Vignan's Institute of Engineering for Woman, Vishakhapattanam, Andhra Pradesh, 530046	2718100
121	Engineering Sciences	Design and development of capillary system to improve the structural stability and thermal performance of the absorber for direct steam generation in linear concentrators	Dr. Ravi Kumar Kandasamy, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	3119600
122	Engineering Sciences	Numerical Simulation And Compact Modeling Of Organic Thin Film Transistors (OTFTs) For Future Flexible Electronics	Dr. Arundevdhar Dwivedi, Poonima University, Jaipur, Rajasthan,	4212400
123	Engineering Sciences	Development Of A Novel Technology For Production Of Hydrocarbon Fuels From Mixed Plastic Waste	Dr. Praveen Kumar Ghodke, University of Petroleum and Energy Studies, Dehradun, Uttarakhand ,	3889600
124	Engineering Sciences	Ionic liquid mediated microwave assisted synthesis of rare earth nanomaterials for bioprobe applications	Dr. Shafquat Majeed, University of Kashmir, Srinagar, Jammu and Kashmir, 190006	4945600
125	Engineering Sciences	Environmental benign smart micro-total process machine developments for on demand safe chemical synthesis	Dr. Ajay K Singh, Indian Institute of Chemical Technology, Hyderabad, Telangana , 500607	3115660
126	Engineering Sciences	Derivation Of Time Moments And Markov Parameters And Their Applications In Model Reduction Of Discrete Interval Systems	Dr. Vinay Pratap Singh, National Institute of Technology Raipur, Raipur, Chhattisgarh, 492010	1524600
127	Engineering Sciences	Fabrication, Characterization And Performance Optimization Of Junctionless Silicon Nanowire Transistor For Biosensing Applications	Dr. Chirtakant, Malaviya National Institute of Technology, Jaipur, Rajasthan,	3132850
128	Engineering Sciences	Advanced Urban Public transportation system	Dr. Manish Shivshankar Chaturvedi, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat,	2165730
129	Engineering Sciences	Design of molybdenum disulphide (MoS) field effect transistor for radio frequency Application	Dr. Sivasankaran Kumaravel, VIT University Chennai, Chennai, Tamil Nadu,	2682990
130	Engineering Sciences	Effect of surface protrusions on the collection efficiency of a solar cavity receiver	Dr. Santosh Bhaulal Bopche, National Institute of Technology Hamirpur, Hamirpur, Himachal Pradesh, 177005	916970
131	Engineering Sciences	Generalized Framework For Restoring Medical And Satellite Images Corrupted By Data-Related Noise Distributions	Dr. Jidesh P, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	1743070
132	Engineering Sciences	Development of FRP Composites with crack arrest and self healing to maintain structural integrity	Dr. Beera Satish Ben, National Institute of	2876640

			Technology Warangal, Warangal, Telangana ,	
133	Engineering Sciences	Semi-Pilot Scale Production Of Lipase By Solid State Fermentation (SSF) For Transesterification Of Biodiesel Analysis.	Dr. Devarai Santhosh Kumar, Indian Institute of Technology Hyderabad, Hyderabad, Telangana , 502205	5077600
134	Engineering Sciences	Development of computational model for decision making based on emotion recognition through eeg signal	Dr. Mitul Kumar Ahirwal, National Institute of Technology Raipur, Raipur, Chhattisgarh, 492010	1154160
135	Engineering Sciences	Commute travel choices in india-gender prespective solutions	Dr. Rahul Tm, Amrita Vishwa Vidyapeetham University Coimbatore, Coimbatore, Tamil Nadu,	1829020
136	Engineering Sciences	Biomass Conversion And Utilization Of Polyhydric Alcohols From Natural Sources	Dr. Banu Marimuthu, National Chemical Laboratory, Pune, Maharashtra, 411008	5343280
137	Engineering Sciences	Arbitrary waveform generator for automotive radar systems	Dr. Aggala Naga Jyothi, Vignans Institute of Information Technology, Vishakhapattanam, Andhra Pradesh, 530049	4502830
138	Engineering Sciences	Gas Production From Heterogeneous Methane Hydrate Reservoirs	Dr. Jyoti Phirani, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	2047490
139	Engineering Sciences	Enhanced Hybrid power generating system for Rustic & Citified Electrification	Dr. Sitharthan R, Madanapalle Institute of Technology & Science, Chittoor, Andhra Pradesh,	2299440
140	Engineering Sciences	Design and Fabrication of thin film sensors for hypersonic flow application	Dr. Ravi Kumar Peetala, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	3590680
141	Engineering Sciences	Two Layer Film flows down an inclined plane	Dr. Arghya Samanta, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	2019600
142	Engineering Sciences	Modulation of piezoelectric and electromechanical properties in percolative polymer ceramic raphene nanocomposite for low frequency energy harvester	Dr. Sabyasachi Parida, C V Raman College of Engineering, Bhubaneshwar, Orissa,	2512750
143	Engineering Sciences	An Ecofriendly Technology For The Enhancement Of Rheological And Filtration Properties Of Water Based Drilling Mud	Dr. Ponmani Swaminathan, Vels Institute of Science Technology and Advanced Studies, Kanchipuram, Tamil Nadu, 600117	2212100
144	Engineering Sciences	Novel graphene supported metal anode catalysts and PWA based electroyte for direct ethylene glycol fuel cells	Dr. Jyoti Goel, National Physical Laboratory, New Delhi, Delhi, 110012	2304720
145	Engineering Sciences	Catalytic and reaction engineering studies on bio oil upgradation	Dr. Ashutosh Namdeo, North East Institute of Science & Technology, Jorhat, Assam,	4034880
146	Engineering Sciences	Design and development of an efficient grid intergrated distributed maximum power point tracking to photovoltaic system for enhancing power quality under partial shading conditions	Dr. Suresh Mikkili, National Institute of Technology Goa, North Goa, Goa,	3999600

147	Engineering Sciences	Determination of energy and momentum accommodation coefficients for a pressure driven flow in a rarefield medium using molecular dynamics	Dr. Sooraj K Prabha, Vidya Academy of Science and Technology (Kerala Technological University), Thrissur, Kerala, 680501	2960040
148	Engineering Sciences	Analysis of urbanization and its impact on climate alteration and environmental pollution in Faridabad, Haryana, sub-region of NCR, India using remote sensing, GIS and in-situ measurement	Dr. Swagata Ghosh, Amity University Noida, Noida, Uttar Pradesh,	2819010
149	Engineering Sciences	An Automated Assembly Sequence Planning System To Solve Parallel And Linear Assemblies	Dr. M V A Raju Bahubalendruni, G M R Institute of Technology, Srikakulam, Andhra Pradesh,	2184600
150	Engineering Sciences	A Study On Effects Of Sediment Load On River Bank Erosion In The Barak River System.	Dr. Briti Sundar Sil, National Institute of Technology Silchar, Silchar, Assam,	2244460
151	Engineering Sciences	Computational Identification And Validation Of Genome Wide Protein-Protein Interaction Network In Rice And Rice Blast	Dr. Sitanshu Sekhar Sahu, Birla Institute of Technology Mesra, Ranchi, Ranchi, Jharkhand, 835215	2162600
152	Engineering Sciences	Case studies in the nonlinear mechanics of thin elastic plates and ribbons	Dr. Ramsharan Rangarajan, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	4065600
153	Engineering Sciences	Design of High Efficiency Power Amplifier for 5G Applications	Dr. Mahima Arrawatia, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	4525040
154	Engineering Sciences	Mathematics Aided Architural Design Layouts	Dr. Krishnendra Shekhawat, Birla Institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	1544660
155	Engineering Sciences	Precision Medicine using cognitive computing (PMCC) a tool to predict chronic diseases and recommend personalized treatment just in time	Dr. Gandikota Ramu, Institute of Aeronautical Engineering, Hyderabad, Telangana ,	3717560
156	Engineering Sciences	A novel generic machine learning driven framework with emphasis to deep learning for analyzing multi temporal satellite remote sensing images for land cover monitoring	Dr. Biplab Banerjee, Indian Institute of Technology Roorkee, Roorkee, UTTARAKHAND, 247667	2075150
157	Engineering Sciences	Analysis design and instillation of 5KW solar smart water purifier in the ground water polluted areas of KAVITI mandal A death zone of srikakulam district andhra pradesh	Dr. Kalyana Kiran Kumar, Aditya Institute of Technology and Management, Srikakulam, Andhra Pradesh, 532201	3534240
158	Engineering Sciences	Experimental Investigation on pulsating synthetic jet micromixers to determine the injection dynamics of insulin in hydrogels for subcutaneous drug delivery	Dr. D Arumuga Perumal, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	3267000
159	Engineering Sciences	Suitability of higher modeling approach for reactive solute transport through heterogeneous porous medium experimental and numerical study	Dr. Deepak Swami, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	4274600
160	Engineering Sciences	STRUCTURAL BEHAVIOUR OF LEAN DUPLEX STAINLESS STEEL	Dr. M Longshithung Patton, National Institute of	1903990

		TUBULAR BEAMS WITH WEB OPENINGS	Technology Meghalaya, Shillong, Meghalaya,	
161	Engineering Sciences	Human Cognitive state estimation through multi modal gait analysis	Dr. Anup Nandy, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	2037200
162	Engineering Sciences	Metal oxide nanomaterials based hybrid devices for memory applications	Dr. Anjaneyulu Ponnamp, Reva University, Bangalore, Karnataka, 560064	2540380
163	Engineering Sciences	Measurement of Brain Deformations under impact loading	Dr. Shailesh Govind Ganpule, Indian Institute of Technology Roorkee, Roorkee, UTTARAKHAND, 247667	4442090
164	Engineering Sciences	Improving the load carrying capacity through direct design asymmetric high contact ratio spur gear drive	Dr. Marimuthu P, Sastra University, Thanjavur, Tamil Nadu, 613401	2679600
165	Engineering Sciences	Development of rare earth free ceramic magnet with high energy and curie temperature for motor applications	Dr. Pradip Kumar Roy, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	4522100
166	Engineering Sciences	Study of near wall flow behavior and conjugate heat transfer characteristics of turbulent plane offset jet and wall jet flow over a heated moving flat plate using low Reynolds	Dr. Sushil Kumar Rathore, National Institute of Technology Patna, Patna, Bihar, 800005	1393640
167	Engineering Sciences	Design Of Low Complexity Sharp Cut-Off Variable Bandwidth Digital FIR Filter For Next Generation Communication System	Dr. Abhijit Chandra, Jadavpur University, Kolkata, West Bengal, 700032	2132580
168	Engineering Sciences	Investigation into the design and performance analysis of encased stone column supported embankments with geocells as basal reinforcement	Dr. Anjana Bhasi, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	3984770
169	Engineering Sciences	"Moving" towards better optical time-keeping devices: How immovable MEMS can improve the performance of optical clocks	Dr. Siddharth Gurunath Tallur, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	5084860
170	Engineering Sciences	Design and Development of Power Quality Controller for Microgrid	Dr. Chandrasekaran K, National Institute of Technology Puducherry, Karaikal, Puducherry,	2472380
171	Engineering Sciences	Development of high order accurate numerical scheme for steady/Unsteady incompressible flow involving stationary/moving boundaries over unstructured mesh	Dr. Chandrakant Rameshchandra Sonawane, Symbiosis International University, Pune, Maharashtra, 411004	1802240
172	Engineering Sciences	Development of multi scale textured piston ring and study of its impact on the fuel economy of an internal combustion engine	Dr. Ismail Syed, National Institute of Technology Warangal, Warangal, Telangana ,	3260400
173	Engineering Sciences	Compact multi band antenna with independently controlled resonant frequency and polarization for mobile wireless applications	Dr. Krishnamoorthy Kandasamy, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	4422660
174	Engineering Sciences	Effective Cracking of Endothermic Fuels Using Different Initiators – Experimental and Mechanistic Study	Dr. Vinu Ravikrishnan, Indian Institute of Technology	4597090

			Madras, Chennai, Tamil Nadu, 600036	
175	Engineering Sciences	Formal Verification of optimizing transformation of programs	Dr. Chandan Karfa, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1770910
176	Engineering Sciences	Designing of a highthroughput clone for cytoplasmic expression of the refolded reinbizumab (antibody fragment fab)	Dr. Rahul Sharad Bhambure, National Chemical Laboratory, Pune, Maharashtra, 411008	4282140
177	Engineering Sciences	Concomitant biofuel production and recalcining water by integrating acidogenic biohydrogen and membrane bioreactor based oleaginous fungal cultivation	Dr. Shantonu Roy, National Institute of Technology Arunachal Pradesh, Papumpare, Arunachal Pradesh,	4998950
178	Engineering Sciences	Design, Development Of A Novel Method For Estimating Residual Strength Of Composite Structures Damaged By Impact Loading	Dr. Mallikarjuna Reddy, Vit University, Vellore, Tamil Nadu, 632014	2573560
179	Engineering Sciences	Development Of Highly Sensitive Photo-Detector Based On Dielectrophoretic Assembly Of TiS3 Nanoribbons	Dr. Prabhash Mishra, Jamia Millia Islamia, New Delhi, Delhi, 110025	4164600
180	Engineering Sciences	Design and Development of Polymer Composites for Micro-Electronic Applications	Dr. Alok Agarwal, Sagar Institute of Research and Technology, Bhopal, Madhya Pradesh,	2117500
181	Engineering Sciences	Development of self powered MEMS accelerometer using piezoelectric energy harvester	Dr. Banibrata Mukherjee, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	3724600
182	Engineering Sciences	Grid Interfacing of solar power generation design development and investigation on high frequency transformer isolated DC-DC soft swithching resonant power converters	Dr. Nagendrappa Harischandrappa, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	4894780
183	Engineering Sciences	Behavior Of Corroded And Corrosion Repaired RC Beams Using Advanced Non-Destructive Techniques Of Infrared Thermography (IRT) And Digital Image Correlation (DIC)	Dr. Shruti Sharma, Thapar Institute of Engineering & Technology, Patiala, Punjab,	3287550
184	Engineering Sciences	Design And Investigation Of Thermal Conducting Two Dimensional Heterostructures	Dr. Ashish Kumar Mishra, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	5480840
185	Engineering Sciences	Comositionally and microstructurally engineered lead free for piezoelectric applications	Dr. Sunil Kumar, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	4637600
186	Engineering Sciences	Mapping drought risk in India an integrated multivariate approach	Dr. Arpita Mondal, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	2222990
187	Engineering Sciences	Modeling, Simulation And Development Of AlGaIn/GaN HEMT Based Lactic Acid And Uric Acid Biosensor For Clinical Research	Dr. Sneha Kabra, Shaheed Rajguru College of Applied Sciences for Women, New Delhi, Delhi,	2860990

188	Engineering Sciences	Engineering custom-made personalized bone graft using nanotubular clay-biopolymer composite and human mesenchymal stem cells.	Dr. Nalinkanth Veerabadrn Ghone, Sri Venkateswara College of Engineering Chennai, Kanchipuram, Tamil Nadu, 602117	4083700
189	Engineering Sciences	Investigation on reduced graphene oxide in the aspects of its possible application for the development of a radiation sensor	Dr. Baishali Garai, Dayananda Sagar University, Bangalore, Karnataka, 560078	3598540
190	Engineering Sciences	Development of active packaging solutions using nanoencapsulation techniques to aid nutrient delivery for quality improvement and shelf life extension of stored food	Dr. Jayeeta Mitra, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	3960000
191	Engineering Sciences	Text mining with lucene and hadoop document clustering with updated rules of NMF (Non negative matrix factorization)	Dr. E Laxmi Lydia, Vignans Institute of Information Technology, Vishakhapatnam, Andhra Pradesh, 530049	938430
192	Engineering Sciences	Secure and Reliable Non-volatile Memories for Ultra-low Power Applications	Dr. Sparsh Mittal, Indian Institute of Technology Hyderabad, Hyderabad, Telangana , 502205	4503180
193	Engineering Sciences	Dynamic crack kinking from aggregate mortar interface of concrete sub structural system	Dr. Sukanta Chakraborty, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	2870450
194	Engineering Sciences	Design and development of an on chip heterogeneous multi platform for secure multimedia applications	Dr. Mahendra Vucha, M L R Institute of Technology, Hyderabad, Telangana , 500043	4385700
195	Engineering Sciences	Development of adaptive cooperative motion control algorithms for multiple autonomous ground vehicles	Dr. Santanu Kumar Pradhan, National Institute of Science and Technology, Ganjam, Orissa, 761008	2665530
196	Engineering Sciences	An Efficient Use Of Discarded Heterogeneous Electronic Waste For Development Of Cost Effective Microwave Absorber	Dr. Ravi Panwar, Pdpn Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, Madhya Pradesh,	4394770
197	Engineering Sciences	Development of an efficient biometric authentication based key agreement protocol for multi server architecture using hyper elliptic curve for adhar card payment system	Dr. Sasikaladevi N, Sastra University, Thanjavur, Tamil Nadu, 613401	1866940
198	Engineering Sciences	Development and real time implementation of fully automated cancer detection system from H&E stained liver histopathological images	Dr. Shyam Lal, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	993360
199	Engineering Sciences	Tensor Modeling and visualization of three dimensional geospatial datasets	Dr. Jaya Sreevalsan Nair, International Institute of Information Technology Bangalore, Bangalore, Karnataka,	1483900
200	Engineering Sciences	Process modeling and microstructural evolution during friction stir welding of dissimilar materials	Dr. Amber Shrivastava, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	3614600

201	Engineering Sciences	Development of intelligent traffic analysis platform based on the analysis of the trajectory big data	Dr. Appavu Alias Balamurugan, KIn College of Information Technology, Madurai, Tamil Nadu, 630611	2862580
202	Engineering Sciences	Design optimization of multicore fibers for high capacity optical communications	Dr. Rakesh Ranjan, National Institute of Technology Patna, Patna, Bihar, 800005	748070
203	Engineering Sciences	Development Of Eutrophication Model For Rural Water Bodies Of Assam, India	Dr. Kamal Uddin Ahamad, Tezpur University, Tezpur, Assam, 784028	2426710
204	Engineering Sciences	Reducing Energy Consumption and operating temperature of last level DRAM cache in multicore system	Dr. Shirshendu Das, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1527350
205	Engineering Sciences	Resource Optimisation And Interference Management For Green Ultra-Dense 5G Cognitive Radio Network	Dr. Seemanti Saha, National Institute of Technology Patna, Patna, Bihar, 800005	2733740
206	Engineering Sciences	Development of ultrasonic assisted electrochemical mechanical finishing (UAECMF) process with modular tooling system for precision finising of gears	Dr. Joy Prakash Misra, National Institute of Technology Kurukshetra, Kurukshetra, Haryana,	1650000
207	Engineering Sciences	Design of Electronic and photonic device using Ge1-x-Snx Alloy An emerging group IV semiconductor materials and investigation of physical processes of the devices	Dr. Rikmantra Basu, National Institute of Technology Delhi, Delhi, Delhi, 110040	2568480
208	Engineering Sciences	Application of masking techiques and reverse EDM techniques for pattern generation by selective area desposition of material using powder metallurgical green compact tools and sintered tool electrode	Dr. Maneswar Rahang, National Institute of Technology Meghalaya, Shillong, Meghalaya,	2784490
209	Engineering Sciences	Application of topology optimization to enhance energy efficiency and performance of industrial manipulator	Dr. Arshad Javed, Birla Institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana , 500078	2943600
210	Engineering Sciences	Development Of Non-Intrusive Driver Fatigue Detection And Warning System To Avoid On Road Accidents	Dr. Vijayalaxmi Biradar, Vignan Institute of Technology and Science, Hyderabad, Telangana , 500036	2668220
211	Engineering Sciences	Development Of A New Strategy To Enhance Cylindrical Wire Electrical Discharge Turning Process	Dr. Amitava Mandal, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	3361600
212	Engineering Sciences	Development Of Gallium Oxide Based Next Generation Power And Sensor Devices	Dr. Ankush Bag, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	5185400
213	Engineering Sciences	Wide Situational Awwareness Assesement using Phosor measurement units	Dr. Murthy Cherukuri, National Institute of Science and Technology, Ganjam, Orissa, 761008	3691600
214	Engineering Sciences	Design and development of an adaptive middleware for smart building monitoring	Dr. Suchetana Chakraborty, Indian Institute of Information Technology Guwahati, Guwahati, Assam, 781001	2184600

215	Engineering Sciences	Effects Of Big Data Characteristics On Security – Leveraging Existing Security Mechanisms And Exploring New Techniques For Protection	Dr. Amarendra Reddy Panyala, M L R Institute of Technology, Hyderabad, Telangana , 500043	2778600
216	Engineering Sciences	Hybrid Urban Landscape Analysis For Green Smart Cities Through Geospatial Technology	Dr. Deepak Kumar, Amity University Noida, Noida, Uttar Pradesh,	1744600
217	Engineering Sciences	Integrated Watershed Management In Data Scarce Rainfed Regions Of India Using Artificial Intelligence, Geo-Spatial And Soft Computing Techniques	Dr. Sivasenareddy Araypalli, Amrita Vishwa Vidyapeetham University Coimbatore, Coimbatore, Tamil Nadu,	1873740
218	Engineering Sciences	Design of Neural Network Based New Demand Side Management System for Educational Institutions	Dr. S Charles Raja, Thiagarajar College of Engineering, Madurai, Tamil Nadu,	3022380
219	Engineering Sciences	Formability Anlysis of magnesium AZ31 Alloy sheets during the incremental froming process	Dr. Nagarajan D, National Institute of Technology Rourkela, Rourkela, Orissa, 769008	1210000
220	Engineering Sciences	Multi scale and multi phase generalized reactor modeling and simulation framework	Dr. Dharmendra Dilipkumar Mandaliya, Vishwakarma Government Engineering College, Ahmedabad, Ahmedabad, Gujarat, 382424	891000
221	Engineering Sciences	Investigation into the influence of 3-D surface topographic parametera and cross hatch angle of clinder linear surface on the friction and wear of pisoton ring cylinder linera assembly	Dr. Deepak Lawrence K, Manipal University, Manipal, Karnataka, 576104	4109580
222	Engineering Sciences	Time dependent resilience of Indian Bridges under multhihazard scenarios	Dr. Swagata Basu, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	3307700
223	Engineering Sciences	Investigation Of Structure-Property-Performance Relations In Hierarchical 3-D Lattice Structures	Dr. Ravisastri Ayyagari Venkat S, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	4549600
224	Engineering Sciences	Performance Evaluation Of A Cryogenic Coolant Through A Modified Tool Holder In Machining Of Inconel 625 Super Alloy.	Dr. Chakradhar Dupadu, Indian Institute of Technology Palakkad, Palakkad, Kerala,	1483160
225	Engineering Sciences	Design of main memory architecture for next generation datacenter servers	Dr. Manu Awasthi, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	2624600
226	Engineering Sciences	Improving machinability of difficult to machine materials through cutting edge preparation and minimum quantity lubrication	Dr. Samuel Raj, Anna University, Chennai, Tamil Nadu, 6000025	2074600
227	Engineering Sciences	A Computational Model For 3D fluorescence microscopy super resolution	Dr. Suman Kumar Maji, Indian Institute of Technology Patna, Patna, Bihar,	1509560
228	Engineering Sciences	Development of lightweight carbon nanomaterials hybridized hollow glass microspheres/Epoxy conducting syntactic foams	Dr. Ariful Rahaman Sk, Vit University, Vellore, Tamil Nadu, 632014	2182780

229	Engineering Sciences	Post Earthquake seismic vulnerability assessment of reinforced concrete building in India	Dr. Meera Raghunandan, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	2399100
230	Engineering Sciences	Numerical and Experimental analysis of failure of RC beams retrofitted with plates under normal and elevated temperatures	Dr. Mohammad Arsalan Khan, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	2475000
231	Engineering Sciences	Development Of A Thermal Model Based Real-Time Tool Wear Monitoring And Compensation System For Micro-EDM Processes	Dr. Chandrakant Kumar Nirala, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	4758600
232	Engineering Sciences	Design And Development Of Low Power ONOFIC For Smart Safety System	Dr. Balwinder Raj, Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab,	4708120
233	Engineering Sciences	Self Contained Flexible oxide electronics for smart packaging	Dr. Pydi Ganga Bahubalindrani, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi,	3375900
234	Engineering Sciences	Indigenous Design and Development of high strain rate characterization machine for characterization of soft materials	Dr. Manmohan Dass Goel, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	4235000
235	Engineering Sciences	Development of a customized dual mode in vivo Photoacoustic and Ultrasound Imaging system for early detection of breast cancer	Dr. Saugata Sinha, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	3795820
236	Engineering Sciences	Improving the seismic performance of dynamically similar buildings using damper connected control technique	Dr. Mohan Sc, Birla Institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana , 500078	4314540
237	Engineering Sciences	Optimal Output Sample based Control of Multiport DC-DC Converters	Dr. Satyanarayana Neeli, Malaviya National Institute of Technology, Jaipur, Rajasthan,	1535600
238	Engineering Sciences	Experimental Characterisation Of Dissimilar Mode Coupling In Two-Layer Rayleigh-Bénard-Marangoni Systems	Dr. Diwakar S Venkatesan, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Karnataka, 560064	5479650
239	Engineering Sciences	Efficient reliable data delivery during forest fire using wireless network	Dr. Ditipriya Sinha, National Institute of Technology Patna, Patna, Bihar, 800005	997120
240	Engineering Sciences	Two Phase Flows And Water Quality In Rivers	Dr. Rohini Thendiyath, National Institute of Technology Patna, Patna, Bihar, 800005	3108600
241	Engineering Sciences	Effect of Nano-particles in Viscoplastic Complex Fluids: A Thermorheological Characterization and Heat Transfer Investigation	Dr. Md Ashique Hassan, Birla Institute of Technology Mesra, Ranchi, Ranchi, Jharkhand, 835215	2805000
242	Engineering Sciences	Effect particle size on solidification process under uniform magnetic field along with thermal solutal convection effects with sinusoidal temperature	Dr. A Vanav Kumar, National Institute of Technology Arunachal Pradesh,	980960

		distribution over nanoparticle enhanced phase change materials	Papumpare, Arunachal Pradesh,	
243	Engineering Sciences	Ultrasonic assisted fabrication of Al-MgAl ₂ O ₄ insite composites using metal oxide reduction	Dr. Udhayabanu Veeramalai, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	4234460
244	Engineering Sciences	Electrospinning Of Lead-Free NBTBT ₆ Based Materials For Sensors And Energy Harvesting Applications	Dr. Aatish Sanjayrao Daryapurkar, Indian Institute of Information Technology Nagpur, Nagpur, Maharashtra, 440006	3339600
245	Engineering Sciences	Towards Understanding the diffusion of misinformation in online social networks application to vaccination rumour detection	Dr. Srijith Pk, Indian Institute of Technology Hyderabad, Hyderabad, Telangana , 502205	2349050
246	Engineering Sciences	Development Of Power Electronic Interfaces For Hybrid Distributed Generator Based On PV-Fed Wind-Driven Induction Generator	Dr. Mm Rajan Singaravel, Psg College of Technology, Coimbatore, Tamil Nadu, 641004	2700170
247	Engineering Sciences	Sustainable smart grid framework for energy management system incorporating available renewable resources	Dr. Mala De, National Institute of Technology Patna, Patna, Bihar, 800005	2019600
248	Engineering Sciences	Development Of An Active Self-Actuating Smart Needle For Image-Guided Percutaneous Cancer Interventions	Dr. Felixorlando Mariajoseph, Indian Institute of Technology Roorkee, Roorkee, UTTARAKHAND, 247667	3509630
249	Engineering Sciences	One of Pot production of biohydrogen and polyhydroxyalkanoate using calophyllum inophyllum oil cake under alternative dark and light fermentation in 100L closed loop tubular bioreactor	Dr. Arumugam A, Sastra University, Thanjavur, Tamil Nadu, 613401	2888600
250	Engineering Sciences	Development of multifunctional fibrous materials using green methods	Dr. Javed Nabibaksha Sheikh, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	3814520
251	Engineering Sciences	A MEMS-based microfluidic platform for sensitive and rapid bacterial antibiotic susceptibility testing	Dr. Hardik Jitendra Pandya, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	4117630
252	Engineering Sciences	Modeling, Fabrication and motion planning for maximum mobility of quadrupedal robot	Dr. Prases Kumar Mohanty, National Institute of Technology Arunachal Pradesh, Papumpare, Arunachal Pradesh,	2707100
253	Engineering Sciences	A Framework For Deep Learning Based Analytics For Intelligent Healthcare Applications	Dr. Sowmya Kamath S, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	3256550
254	Engineering Sciences	Development Of Efficient Algorithms For Predicting The Incidence Of Malaria Cases In India Using Spiking Neuron Models	Dr. Venkatanaresbhabu Kuppili, National Institute of Technology Goa, North Goa, Goa,	1799600
255	Engineering Sciences	Si/SiC hybrid semiconductor based solid stae transformer for PV Application	Dr. Dipankar De, Indian Institute of Technology Bhubaneswar, Bhubaneswar, Orissa, 751013	3611990

256	Engineering Sciences	Studies on the performance parameters of cutting tool inserts to establish the influence of surface texturing and its design parameters with elemental ceramic coating minimum quantity lubricants	Dr. Singaravel Balasubramanian, Vignan Institute of Technology and Science, Hyderabad, Telangana , 500036	2272600
257	Engineering Sciences	On chip development of three dimensional clinical graded tissue graft for the treatment of diseased esophageal segment with integration of vascularisation and enhanced neurogenesis	Dr. Arindam Bit, National Institute of Technology Raipur, Raipur, Chhattisgarh, 492010	3318100
258	Engineering Sciences	Scope Enrichment Of Verification Technologies	Dr. Saurabh Bhanuprasad Joshi, Indian Institute of Technology Hyderabad, Hyderabad, Telangana , 502205	2250010
259	Engineering Sciences	Development of All Solid State Thin Film Li-Ion Micro Battery using Powder Sputtering	Dr. Yellaeswararao Kosuri, Vignans Institute of Information Technology, Vishakhapatnam, Andhra Pradesh, 530049	3339600
260	Engineering Sciences	Cryogenically Conditioned micro and nanoencapsulated phase change materials slurries for cool thermal energy storage applications	Dr. Parameshwaran Rajagopalan, Birla Institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana , 500078	2776340
261	Engineering Sciences	Nonlinear interaction of guided waves with delamination defects in composite waveguides theoretical and experimental investigation	Dr. Dhanashri Manish Joglekar, Indian Institute of Technology Roorkee, Roorkee, UTTARAKHAND, 247667	4835580
262	Engineering Sciences	Green and Sustainable machining of “hard to machine materials” using Graphene based Self Lubricating cutting tools and cutting fluids	Dr. Amrita Maddamsetty, Gayatri Vidya Parishad College of Engineering, Vishakhapatnam, Andhra Pradesh, 530048	2556050
263	Engineering Sciences	3D Deep Learning for Non-rigid Shape Acquisition	Dr. Avinash Sharma, International Institute of Information Technology Hyderabad, Hyderabad, Telangana ,	3082650
264	Engineering Sciences	Design and development of a microcantilever structured sensor for detecting the volatile organic compounds	Dr. Burra Rajesh Kumar, Gitam University, Vishakhapatnam, Andhra Pradesh, 530045	4412910
265	Engineering Sciences	Sensor assisted catch monitoring and level guidance system for close proximity long line and long net fishing under strong ocean current	Dr. Lenty Stewart S, University College of Engineering Nagercoil Anna University, Nagercoil, Tamil Nadu,	2788230
266	Engineering Sciences	Influence Of Leading Edge Protuberances (LEP) On Aerodynamic Characteristics Of Tapered And Swept Wing At Subsonic Speeds	Dr. Nadaraja Pillai, Sastra University, Thanjavur, Tamil Nadu, 613401	2314570
267	Engineering Sciences	Self-Powered Electronic Nose Based On Hybrid Nanomaterials For Breath Analysis	Dr. Yuvaraj Sivalingam, S R M University Kattankulathur,	5218840

			Kattankulathur, Tamil Nadu, 603203	
268	Engineering Sciences	Designing out-of-VM Monitoring based Virtual Machine Introspection Framework for Securing Virtual Environment of Cloud computing	Dr. Chirag Navinchandra Modi, National Institute of Technology, Farmagudi, ponda , goa, North goa, Goa, 403401	2402380
269	Engineering Sciences	Development of high vibration damping composite layers through friction stir processing	Dr. Arockiakumar Raju, National Institute of Technology Warangal, Warangal, Telangana ,	4404590
270	Engineering Sciences	Intelligent Camera Systems	Dr. Vineet Gandhi, International Institute of Information Technology Hyderabad, Hyderabad, Telangana ,	2844600
271	Engineering Sciences	Design of Superior Pulsewidth Modulation Schemes for High-Performance Multilevel Converter based Grid-Connected Photovoltaic System	Dr. Soumita Das, National Institute of Technology Goa, North Goa, Goa,	4004380
272	Engineering Sciences	Development of innovate clay based nanoporous materials for methane enrichment of biogas to bio methane at high pressure	Dr. Vipin Kumar Saini, Doon University, Dehradun, UTTARAKHAND,	3205700
273	Engineering Sciences	Development of a novel Injection Strategy for Hydrogen Fuelled Homogeneous Charge Compression Ignition Engine	Dr. Mohamed Ibrahim M, Vit University, Vellore, Tamil Nadu, 632014	2439140
274	Engineering Sciences	Precision Agriculture Model To Increase Crop Productivity In India Using Big Data	Dr. Dharavath Ramesh, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand,	1813900
275	Engineering Sciences	Evaluation Of Creep Behavior Of AlCoCrFeNiMo0.5 High Strength High Entropy Alloy	Dr. Rajesh Korla, Indian Institute of Technology Hyderabad, Hyderabad, Telangana , 502205	5197040
276	Engineering Sciences	Fluid Flow and heat transfer analysis of various types of IRS device A Comparative study	Dr. Jnana Ranjan Senapati, Kalinga Institute of Industrial Technology, Bhubaneshwar, Orissa,	1766600
277	Engineering Sciences	Design And Development Of An Experimental Test Bench Setup Of Electric Vehicle	Dr. Makarand Mohankumar Lokhande, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	3588620
278	Engineering Sciences	Investigation of micro electric discharge milling of metal matrix composite fabricated by ultrasonic probe assisted str casting	Dr. Kanmani Subbu S, National Institute of Technology Warangal, Warangal, Telangana ,	3575000
279	Engineering Sciences	Bacteriostatic-Polymer/Antibiotic Combination Based Bi-Modal Strategy For In Situ Management Of Diabetic Osteomyelitis: An In Vitro And Animal Model Based Study	Dr. Debasish Mishra, Vit University, Vellore, Tamil Nadu, 632014	3559600
280	Engineering Sciences	Metabolic Engineering Of Bacillus Subtilis For The Production Of Biorenewable Isoprene	Dr. Ashish Misra, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	3119600

281	Engineering Sciences	Multilingual Speech Processing in Humans and Machines	Dr. Sriram Ganapathy, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	3174600
282	Engineering Sciences	Computational and experimental study of flow-induced vibration of a plate with piezoelectric material to improve performance of wind vibration energy harvester	Dr. Ashish Purohit, Thapar Institute of Engineering & Technology, Patiala, Punjab,	2419930
283	Engineering Sciences	Smart Dust with intelligent wireless sensor network using NEMS for monitoring of real world phenomenon	Dr. P Gomathi, N S N College of Engineering and Technology, Karur, Tamil Nadu, 639003	3503000
284	Life Sciences	Development Of A Label Free Stokes-Muller Polarization Microscopy For Tissue Characterization	Dr. Nirmal Mazumdar, Manipal University, Manipal, Karnataka, 576104	3992560
285	Life Sciences	Study Of Monocarboxylate Transporters As Potential Targets To Exploit Hypoxia In Cancer: Design, Synthesis And Evaluation Of MCT1 And MCT4 Inhibitors	Dr. Kapil Juvale, Svkm's Nmims, Mumbai, Maharashtra,	4782604
286	Life Sciences	EXPLORATION OF INTERACTION BETWEEN GHRELIN AND DOPAMINE DURING CO-MORBIDITY OF LIFESTYLE DISEASES AND NEUROPSYCHIATRIC DISORDERS IN HIGH FAT DIET FED MICE	Dr. Umesh B Mahajan, R C Patel College of Pharmacy, Shirpur, Maharashtra, 425405	3799587
287	Life Sciences	To Study Role Of The Melanocortin-1 Receptor (MC1R) Gene In Shaping Pigmentation Variation Among Tribal And Caste Populations Of West Maharashtra	Dr. Manjari Kedarnath Jonnalagadda, Symbiosis School for Liberal Arts (Symbiosis International University), Pune, Maharashtra,	4260458
288	Life Sciences	Structure-Function Analysis Of The Centromeres And Its Associated Centromeric Protein CENP-A Of The Human Pathogenic Candida Parapsilosis Sensu Lato Species Complex	Dr. Gautam Chatterjee, Ramakrishna Mission Vivekananda University, Howrah, West Bengal,	4049734
289	Life Sciences	Sustainable Hydrogen Production Using Sulfate-Reducing Bacteria As New Hydrogenase Rich Microorganisms	Dr. Rajesh Singh, Central University of Gujarat, Gandhinagar, Gujarat, 382030	3152600
290	Life Sciences	Molecular And Functional Characterization Of Spectrum Of Mutation In Tyrosinemia Type1 Patients- Diagnostic And Genetic Implications	Dr. Sant Ram, Post Graduate Institute of Medical Education and Research, Chandigarh, Chandigarh,	4414520
291	Life Sciences	Bio-Engineered Three-Dimensional Stem Cell Niche For Intervertebral Disc Repair And Regeneration	Dr. Akashay Srivastava, National Institute of Pharmaceutical Education and Research, Gandhinagar(Gujrat), Ahmedabad, Gujarat, 382355	3813480
292	Life Sciences	Study The Role Of Macrophage-Heterogeneity In Nanoparticle Toxicity Mitigation	Dr. Dinesh Kumar Singh, Indian Institute of Toxicology Research, Lucknow, Uttar Pradesh,	4250880
293	Life Sciences	Molecular Dissection Of Mechanism Of Resistance To Sheath Blight In Rice	Dr. Deepak Singh Bisht, National Research Centre On	3636144

			Plant Biotechnology, New Delhi, Delhi, 110012	
294	Life Sciences	Cracking The Code Of Nedd8-Conjugation Pathway Via Human Antigen R (HuR) Signaling In Ocular Angiogenesis	Dr. Sharada Ramasubramanyan, Vision Research Foundation, Chennai, Tamil Nadu, 600006	4138344
295	Life Sciences	Identification And Functional Characterization Of G4 DNA In Helicobacter Pylori: A Novel Therapeutic Target	Dr. Puja Yadav, Central University of Haryana, Mahendragarh, Haryana, 123001	3690060
296	Life Sciences	Advanced Network Analysis of the structural connectome of human brain	Dr. Madhura Aditya Ingalhalikar, Symbiosis Institute of Technology (Symbiosis University), Pune, Maharashtra,	2588520
297	Life Sciences	Physiological and molecular dissection of greengram (Vigna radiata (L) wilczek) Genotypes for drought and high temperature stress tolerance	Dr. Venugopal Babu Rajendraprasad, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, 641003	4602798
298	Life Sciences	Dissecting Brain Reward Circuitry and CNs Comorbidities in chronic neuropathic pain	Dr. Vinod Tiwari, National Institute of Pharmaceutical Education and Research, Gandhinagar(Gujrat), Ahmedabad, Gujarat, 382355	4909520
299	Life Sciences	Role of Genomic Biomarkers in predicting prophylactic response to lithium in paediatric onset bipolar disorder	Dr. Preeti K, Jawaharlal Institute of Postgraduate Medical Education & Research, Puducherry, Puducherry, 605006	2270895
300	Life Sciences	Unravelling the molecular mechanism (s) underlying hepatitis C virus morphogenesis and secretion	Dr. Gulam Hussain Syed, Institute of Life Science, Bhubaneswar, Orissa, 750023	5209056
301	Life Sciences	Mechanism and function of modulation of human immune responses by dengue virus non structural protein 1	Dr. Nimesh Gupta, National Institute of Immunology, New Delhi, Delhi, 110067	4766449
302	Life Sciences	Targeting aurora kinase in colorectal cancer rational Drug design and validation	Dr. Rituraj Purohit, Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh,	4765478
303	Life Sciences	Genome Wide single nucleotide polymorphism analysis of pharmacogenomic variants in drug resistant epilepsy population	Dr. Rajesh Ramanna Valmiki, Christian Medical College, Vellore, Tamil Nadu,	4102560
304	Life Sciences	Study to improve reproductive performance and to alleviate multigenerational diabetic embryopathy using combination of C-phycocyanin from spirulina platensis and docosahexaenoic acid in Zebrafish Model	Dr. Pranay Punj Pankaj, Nagaland University, Zunheboto, Nagaland,	4351044
305	Life Sciences	Biotechnological Valorization Of Molasses Distillery Spent Wash (MDSW) Through Production Of Single Cell Oil And Simultaneous Removal Of Potential Nutrients	Dr. Iniya Kumar Muniraj, Kumaraguru Institute of Agriculture, Erode, Tamil Nadu, 638315	2263074
306	Life Sciences	Identification Of Novel Targets For Effective Drugs/Vaccines Against	Dr. Deepak Sharma, Indian Institute of Technology	2837560

		Infectious Diseases By Employing Computational Strategies	Roorkee, Roorkee, UTTARAKHAND, 247667	
307	Life Sciences	Development of haploid inducer line in Brassica oleracea var botrytis through CRISPR cas mediated engineering of Centromeric histone H3 gene	Dr. Anshul Watts, National Research Centre On Plant Biotechnology, New Delhi, Delhi, 110012	4020967
308	Life Sciences	A Multimodal Imaging Study To Examine The Role Of Dopamine In Social Decision Making In Schizophrenia	Dr. Naren Prahlada Rao, National Institute of Mental Health and Neuro Sciences, Bangalore, Karnataka, 560029	4616469
309	Life Sciences	Evaluation of efficacy of novel stabilized omega 3 fatty acid and antioxidants formulation for the prevention and treatment of metabolic syndrome	Dr. Anand A Zanwar, Bharati Vidyapeeth Deemed University, Pune, Maharashtra,	4036703
310	Life Sciences	Design and evaluation of novel structural analogs of natural products as selective modulator of PPAR pathway for lung cancer therapy design synthesis and evaluation of novel structural analogs of natural products as a selective modulator of PPAR Pathway for lung cancer therapy	Dr. Somya Basu, D Y Patil University, Kolhapur, Maharashtra,	4836403
311	Life Sciences	Mitigation of radiation induced esophagitis by pyrazole (1,2 Diazole) from rhizophora apiculata and its potential applications as an effective radioprotector	Dr. Guruvayoorappan C, Regional Cancer Centre, Thiruvananthapuram, Kerala,	2689713
312	Life Sciences	Generation of a genetically-stable live vaccine candidate against infectious bursal disease virus (IBDV) through mutagen-driven lethal mutagenesis	Dr. Nadeem Shabir, Sher E Kashmir University of Agricultural Sciences & Technology Kashmir, Srinagar, Jammu and Kashmir,	4524114
313	Life Sciences	Design and development of multiplex assay integrated nanodevice for rapid 'on field' identification of body fluids	Dr. Ritesh Kumar Shukla, Ahmedabad University, Amreli, Gujarat, 380009	4271039
314	Life Sciences	"IsoSeq Analysis And Functional Annotation Of Molecularly Classified Medulloblastoma On PacBio RSII Platform "	Dr. Neetu Singh, King George's Medical University, Lucknow, Uttar Pradesh,	5049000
315	Life Sciences	Functional Interactions Between Vasotocin And Corticosteroids In Catfish Heteropneustes Fossilis	Dr. Varsha Singh, Kalindi College (University of Delhi), New Delhi, Delhi,	2307201
316	Life Sciences	Investigating The Effect Of Glycosylation On The Structure And Dynamics Of Biomarker Myelin Oligodendrocyte Glycoprotein – De Novo Design Of Therapeutic Glycopeptide For Multiple Sclerosis	Dr. Ramya L, Sastra University, Thanjavur, Tamil Nadu, 613401	2221560
317	Life Sciences	Development Of Indian Pharmacopoeia Reference Standards (IPRS) For Assuring The Quality Of Biologics In India	Dr. Gaurav Pratap Singh, Indian Pharmacopoeia Commission, Ghaziabad, Uttar Pradesh,	1536483
318	Life Sciences	DEVELOPMENT OF GASTRO RETENTIVE DRUG DELIVERY SYSTEMS USING NOVEL NATURAL MUCILAGE FOR IMPROVED BIOAVAILABILITY	Dr. Dalapathi B Gugulothu, Balaji Institute of Pharmaceutical Sciences, Warangal, Telangana , 506331	3642809

319	Life Sciences	Investigating Conformational Dynamics Of N-Glycans And The Effect Of Glycosylation On The Structure And Dynamics Of Hepatitis C Virus Glycoproteins Via Molecular Dynamics Simulations	Dr. Parimal Kar, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	4750020
320	Life Sciences	Establishment Of Zebrafish – Vibrio Anguillarum Host-Pathogen Model To Analyse The Influence Of Environmental Factors On Vibriosis	Dr. Sanjita Banerjee, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	2013000
321	Life Sciences	Evaluation Of Tomato Associated Rhizobacteria For Biocontrol Of Wilt Pathogen Fusarium Oxysporum	Dr. Thangavel Kavitha, Alagappa University, Karaikudi, Tamil Nadu, 630003	1429252
322	Life Sciences	Spatial And Functional Diversity Of ACC Deaminase Producing Bacteria In Crops Grown Organically	Dr. Sangeeta Pandey, Amity University Noida, Noida, Uttar Pradesh,	3387560
323	Life Sciences	Isolation And Genotypic Characterization Of The Infectious Bronchitis Virus Isolates From Kerala, India	Dr. Surya Sankar, College of Veterinary and Animal Science, Kerala, Thrissur, Kerala, 680651	3552210
324	Life Sciences	Hyperspectral Remote Sensing Of The Foliar Nutrients In Crops	Dr. Gopal Ramdas Mahajan, Central Coastal Agricultural Research Institute, North Goa, Goa, 403402	2867616
325	Life Sciences	Lipid-Protein Interplay: Computational Approaches To Characterize The Time-Dependent Spatial And Dynamical Heterogeneities And Their Fluctuations During Protein-Mediated Deformation In Membranes	Dr. Anand Srivastava, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	5078479
326	Life Sciences	Ds-RNA Based Strategy For The Management Of Potato Cyst Nematode.	Dr. Aarti Bairwa, Central Potato Research Institute, Shimla, Himachal Pradesh, 171001	2434968
327	Life Sciences	False Smut Disease Of Rice: Understanding Pathogen Diversity, Pathogenomics And Host-Pathogen Transcriptomics During Infection	Dr. Pramesh Devanna, University of Agricultural Sciences Raichur, Raichur, Karnataka,	4773168
328	Life Sciences	Tracking The Pharmacological Basis For Ethno-Medicinal Values Of Halophytes Along The Coastal Areas Of Tamilnadu.	Dr. Akshaya Murugesan, Lady Doak College, Madurai, Tamil Nadu,	3421000
329	Life Sciences	Role Of Sigma-1 Receptor In Chronic Kidney Disease	Dr. Madhu C L, Indian Veterinary Research Institute, Bareilly, Uttar Pradesh,	3387732
330	Life Sciences	Co-Encapsulated Agro-Phyto-Chemical Polymeric Nanoparticles: Characterization, Implication In Fish Biosystem And Evaluation Of Their Mechanistic Efficacy In Bio-Accumulated Agrochemical Toxicity	Dr. Asmita Samadder, Dum Dum Motijheel College, Kolkata, West Bengal,	3356443
331	Life Sciences	Diversity And Influence Of Edaphic, Rhizosphere Microbiome And Crop Diversification Factors Towards Suppressive/Conduciveness Of Ralstonia Solanacearum, Incitant Of Bacterial Wilt	Dr. Ashis Roybarman, Bidhan Chandra Krishi Viswavidyalaya, Nadia, West Bengal, 741252	2865060

		Of Solanaceous Vegetable Crops In West Bengal		
332	Life Sciences	A High Performance Nanodelivery System For Inflammatory Bowel Disease (IBD) Therapy	Dr. Surajit Karmakar, Institute of Nano Science and Technology, Mohali, Punjab, 160047	5155056
333	Life Sciences	A Whole Genome Based Reduced Representation Approach For Identification Of Resistance Against Sugarcane Yellow Leaf Virus In Indian Sugarcane	Dr. Parameswari Balasubramaniam, Sugarcane Breeding Institute Coimbatore, Coimbatore, Tamil Nadu, 641007	4524995
334	Life Sciences	Studies On The Role Of Suppressor Proteins Of Chilli Leaf Curl Virus In The Development Of Leaf Curl Disease	Dr. Swapna Geetanjali Arem, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	2810610
335	Life Sciences	IMPLEMENTING GREEN CHEMISTRY PRINCIPLE TO FORMULATE AN ECOFRIENDLY MARINE ANTIBIOFOULING AND ANTICORROSIVE COATING USING SELECTED PLANTS OF PARANGIPETTAI COASTAL ENVIRONS	Dr. Sureshkumar Pandian, Annamalai University, Annamalainagar, Tamil Nadu, 608502	3553963
336	Life Sciences	Nuclear Architecture As An Epigenetic Regulator In Pericentromeric Localized Cancer-Testis/Germline Antigen POTE Expression In Ovarian Cancer	Dr. Ashok Kumar, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	5500000
337	Life Sciences	First Molecular Characterization Of The Intraflagellar Transport (IFT) Interactome Of A Flagellated Fungus	Dr. Suneel Kateriya, Jawaharlal Nehru University, New Delhi, Delhi, 110067	4198480
338	Life Sciences	Characterization Of Genetic Determinants Of Industrially Beneficial Physiological Traits Using Quantitative Trait Loci Mapping	Dr. Tikam Chand Dakal, Manipal University Jaipur, Jaipur, Rajasthan, 303007	3259520
339	Life Sciences	To Study The Role Of Hyperglycemia On The Progression Of Acute Kidney Injury	Dr. Anil Bhanudas Gaikwad, Birla Institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	4718560
340	Life Sciences	Identification Of Salt Responsive Genes And Micro RNA Targets From Salt Tolerant Erianthus Arundinaceus Clone IND99-884 Through Transcriptome Analysis	Dr. Mahadevaiah Channappa, Sugarcane Breeding Institute Coimbatore, Coimbatore, Tamil Nadu, 641007	4052404
341	Life Sciences	Spatial Ablation Of Breast Cancer Cells Using Targetable Graphene-Based Nanovectors	Dr. Sanjay Tiwari, Uka Tarsadia University, Surat, Gujarat, 394350	3180138
342	Life Sciences	Exploring The Role Of Regulatory T Cells Through NFATs And FOXP3 In Pathogenesis Of Vitiligo	Dr. Mitesh Kumar Dwivedi, Uka Tarsadia University, Surat, Gujarat, 394350	3892020
343	Life Sciences	Exploring The Significance Of Genetic Redundancy Of Wnt Genes: Mutations And Molecular Analysis	Dr. Prachi Shripatrao Yadav, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	3634182
344	Life Sciences	Aptamer Targeted Dendronized Polymeric Nanoparticles To Deliver Anti-MiRNA	Dr. Rakesh Kumar Tekade, National Institute of Pharmaceutical Educaiton and	3710520

		For Treatment Of Triple Negative Breast Cancer	Research, Gandhinagar(Gujrat), Ahmedabad, Gujarat, 382355	
345	Life Sciences	Fine Mapping Of Broad Spectrum New Leaf Rust Resistance Gene In Triticum Timopheevii Derivative “Selection G12”	Dr. Shailendra Kumar Jha, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	2874744
346	Life Sciences	Ending Micronutrient Malnutrition Through Value Added Traditional Rural Fermented Dairy Foods Of Haryana And Rajasthan	Dr. Tejpal Dhewa, Central University of Haryana, Mahendragarh, Haryana, 123001	4212560
347	Life Sciences	Screening Of Novel Marker Chromosome, Gene Expression And Mitochondrial DNA Copy Number Variation In Autism Spectrum Disorder (ASD) Individuals In Tamil Nadu Population	Dr. Vellingiri Balachandran, Bharathiar University, Coimbatore, Tamil Nadu, 641046	3144036
348	Life Sciences	“Cloning And Expression Of Rna14-Pcf11-Clp1 Complex For Biophysical Studies.” The Fundamental Mechanisms By Which 3'-End Processing Signals (RNA Elements) Are Recognized Are Common In Most Eukaryotes, Yet Poorly Understood Biophysically. It Is My Goal To Gain Biophysical Insight Into Key Protein-RNA And Protein-Protein Interactions As Well As Protein Assemblies That Control The Timing And Location Of Transcription Termination, And The Execution Of The Cleavage And Polyadenylation Reaction.	Dr. Ravi Pratap Barnwal, Panjab University, Chandigarh, Chandigarh, 160014	4568520
349	Life Sciences	Evaluation Of Pax3 As A Targeted Therapeutics For Pediatric Solid Tumors	Dr. Mathivanan Jothi, National Institute of Mental Health and Neuro Sciences, Bangalore, Karnataka, 560029	4136788
350	Life Sciences	Studies On Pollination Dynamics, Pod Yield And Oil Content In Pongamia Pinnata.	Dr. Veeresh Kumar, National Research Centre for Agroforestry, Jhansi, Uttar Pradesh, 284003	3000456
351	Life Sciences	Single-Molecule Biosensing With Hetero-Oligomeric Protein Nanopores	Dr. Mahendran Kozhinjampara Radhakrishnan, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	3754020
352	Life Sciences	Assessment And Comparison Of Bone Marker Levels And Bone Density In PCOS Subjects With Or Without Chronic Periodontitis Before And After Non Surgical Periodontal Therapy	Dr. Afaf Zia, Aligarh Muslim University, Aligarh, Uttar Pradesh, 202002	2379012
353	Life Sciences	Deciphering MiRNA-MRNA Modules Associated With Darjeeling Tea Quality	Dr. Niraj Agarwal, Gauhati University, Guwahati, Assam, 781014	4373263
354	Life Sciences	Testing A Flow Cytometry Based Screening Strategy For The Detection Of Tyrosine Kinase Domain Fusion Genes In End-Induction Minimal Residual Disease	Dr. Sreejesh Sreedharanunni, Post Graduate Institute of Medical Education and	2401520

		Positive B-Acute Lymphoblastic Leukemia Lacking Recurrent Cytogenetic Abnormalities.	Research, Chandigarh, Chandigarh,	
355	Life Sciences	Identification, Characterization And Validation Of MiRNAs And Target MRNAs For Nitrogen And Phosphorus Use Efficiency In Maize	Dr. Mallikarjuna Mg, Indian Agricultural Research Institute, New Delhi, Delhi, 110012	2799144
356	Life Sciences	Development Of A-Crystallin Mini Chaperone Peptides As Therapeutic Molecules For Diabetic Ocular Diseases	Dr. Sudhakar Reddy Vadde, National Institute of Nutrition, Hyderabad, Telangana , 500007	4860872
357	Life Sciences	Development Of A Novel Approach, M-TRAP (Multi-Tagged Translating Ribosome Affinity Purification), To Profile Cell-Cell Interactions In Central Nervous System Cells By Secreted-Glycoprotein YKL-40 (CHI3L1: Chitinase 3-Like 1)	Dr. Sandeep Kumar Singh, Indian Institute of Technology Hyderabad, Hyderabad, Telangana , 502205	3036000
358	Life Sciences	Tissue Factor (TF)-Mediated Regulation Of Adhesion Molecules And Apoptosis Of Trophoblast In Antiphospholipid Syndrome (APS)	Dr. Shanmugam Velayuthaprabhu, Bharathiar University, Coimbatore, Tamil Nadu, 641046	3749020
359	Life Sciences	“Sub-Cellular Targeting Of Invertase Inhibitory Proteins: A Novel Approach To Enhance Sucrose Yield In Sugarcane”	Dr. Suresha Giriyapura Shivalingamurthy, Sugarcane Breeding Institute Coimbatore, Coimbatore, Tamil Nadu, 641007	3048004
360	Life Sciences	Development Of Plant Extract Based Formulations And Its Efficacy Study On Lepidopteran Larvae	Dr. Mamoni Banerjee, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	2962960
361	Life Sciences	Development And Assessment Of Novel Formulations Containing Therapeutic Proteins And SiRNA For Treatment Of Diabetic Retinopathy.	Dr. Kavita Singh, Svkm's Nmims, Mumbai, Maharashtra,	4121480
362	Life Sciences	Temozolomide Delivery Across Blood-Brain Barrier Through Nanomagnetic Transducer: A Targeted Therapy For Glioblastoma Multiforme.	Dr. Deepika Sharma, Institute of Nano Science and Technology, Mohali, Punjab, 160047	4693973
363	Life Sciences	Unraveling The Structure-Function Dynamics Of LncRNA CONCR And Helicase DDX11 In Regulating Sister Chromatid Cohesion	Dr. Mary Krishna Ekka, Institute of Genomics and Integrative Biology, Delhi, Delhi,	3899232
364	Life Sciences	Investigating The Biotechnological Potential Of Lactobacillus B-Glucosidases In Releasing Important Phytochemicals During Mango Fruit Processing	Dr. Ram Kulkarni, Symbiosis International University, Pune, Maharashtra, 411004	4144332
365	Life Sciences	Microbiome Mediated Fate And Transformation Of Man-Released Nano-Pollutants	Dr. Anil Kumar Suresh, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	4673020
366	Life Sciences	Engineering DNA Origami-Based Nanodevice For Bio-Applications And Multiplex Analysis	Dr. Vinit Kumar, Amity University Noida, Noida, Uttar Pradesh,	3829166
367	Life Sciences	Genetic Enhancement In Pigeonpea (Cajanus cajan L. Millsp.) Through Pre-Breeding Efforts For Developing	Dr. Satheesh Naik Sj, Indian Institute of Pulses Research, Kanpur, Uttar Pradesh,	3668635

		Phytophthora Stem Blight Resistant/Tolerant And Photo-Thermal Insensitive Early Genotypes		
368	Life Sciences	A Novel Therapeutic Against Metabolic Syndrome Via Activation Of Coagulation Unrelated Vitamin K Dependent Proteins	Dr. Prasenjit Manna, North East Institute of Science & Technology, Jorhat, Assam,	3163968
369	Life Sciences	Magnetic Nanoparticles And Quantum Dots Coupled Visual Confirmation Of Cervical Cancer Cells From Cytology Sample: A Cost Effective, Quick And Suitable Test For Rural Indian Setup	Dr. Subhash Chandra Yadav, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	3868480
370	Life Sciences	Development Of Novel Binding Systems For Restructured Buffalo Meat Products	Dr. G Vijayabhaskar Reddy, Sri Venkateswara Veterinary University, Tirupati, Andhra Pradesh, 517502	2465367
371	Life Sciences	Dissecting The Molecular Mechanism Of Glutathione-Mediated Regulation Of Iron Homeostasis In Arabidopsis Thaliana	Dr. Riddhi Datta, Dr A P J Abdul Kalam Government College, Kolkata, Kolkata, West Bengal, 700156	4983385
372	Life Sciences	Genetic And Management Interventions To Identify The Key Role Players In Bull Semen Freezability And To Reduce The Cryoinjury On Bull Spermatozoa.	Dr. Rafeeqe Rahman Alyethodi, Central Institute for Research On Cattle, Meerut, Uttar Pradesh, 250001	3211056
373	Life Sciences	Mutation Assisted Breeding For Clove Size And Disease Resistance In Garlic (Allium Sativum L.)	Dr. Madhu Sharma, Punjab Agricultural University, Ludhiana, Punjab,	2979240
374	Life Sciences	PPAR A AND Γ GENE POLYMORPHISMS AMONG SOUTH INDIAN PATIENTS WITH DIABETIC DYSLIPIDEMIA	Dr. Sadishkumar Kamalanathan, Jawaharlal Institute of Postgraduate Medical Education & Research, Puducherry, Puducherry, 605006	3069508
375	Life Sciences	To Investigate The Role Of Septin Family Of Proteins As Membrane Diffusion Barriers During Neuronal Development	Dr. Mini Jose Deepak, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	3810400
376	Life Sciences	Comparative Transcriptome Analysis Of Blastemas Of Regenerating And Regeneration-Deficient Limbs Of Indian Tree Frog Polypedates Maculatus (Gray, 1830)	Dr. Cuckoo Mahapatra, North Orissa University, Baripada, Orissa,	4769600
377	Life Sciences	Evaluation Of Secreted Proteases Of Ustilago Maydis As Potential Effector Proteins	Dr. Anupama Ghosh, Bose Institute, Kolkata, West Bengal,	2553394
378	Life Sciences	Elucidating The Role Of FATP Family Of Fatty Acid Transporters In C. Elegans Aging	Dr. Manjunatha Thondamal, Dr. Reddy's Institute of Life Sciences, University of Hyderabad, Hyderabad, Telangana ,	4452829
379	Life Sciences	ASSESSMENT OF THE EFFECT OF ASPIRIN TREATMENT ON NEURAL STEM CELLS AND THE REGULATION OF HIPPOCAMPAL NEUROGENESIS IN THE ADULT BRAIN OF THE EXPERIMENTAL	Dr. Mahesh Kandasamy, Bharathidasan University, Tiruchirappalli, Tamil Nadu, 620024	5200052

		RODENTS: A NON-INVASIVE ATTEMPT FOR THE BRAIN REGENERATION		
380	Life Sciences	Characterisation Of Root System Traits In Sugarcane Germplasm	Dr. Krishnapriya Vengavasi, Sugarcane Breeding Institute Coimbatore, Coimbatore, Tamil Nadu, 641007	3637872
381	Life Sciences	Control and regulation of ribosomal biogenesis by RNAs and RNA-binding proteins	Dr. Arati Ramesh, National Centre for Biological Sciences, Bangalore urban district, Karnataka, 560065	3906144
382	Life Sciences	Molecular phylogenetic approach towards understanding floral evolution and biogeographic patterns in an understory perennial herb Hedychium J. Koenig (Zingiberaceae)	Dr. Vinita Gowda, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	3253960
383	Physical Sciences	Synthesis of disordered perovskite manganites and effect of a site doping on its magnetocaloric effect A complete systematic study	Dr. Murugeswari A, Anna University Chennai, Chennai, Tamil Nadu,	2525600
384	Physical Sciences	Active and passive transport inside cells a theoretical study	Dr. Amitabha Nandi, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	2415380
385	Physical Sciences	Modeling and simulation of moored ship motion in paradip port under the resonance conditions for multidirectional random waves	Dr. Prashant Kumar, National Institute of Technology Delhi, Delhi, Delhi, 110040	1802240
386	Physical Sciences	Investigation of graphene modified metal oxide thin films for solar selective absorbers	Dr. Senthuran Karthick Kumar, Sethu Institute of Technology, Virudunagar, Tamil Nadu,	2734600
387	Physical Sciences	Magnetoelectric coupling in alternate multi nano layers of ferroelectric and ferromagnetic materials on planar and stepped interface terminations	Dr. Virendra Kumar Verma, Madanapalle Institute of Technology & Science, Chittoor, Andhra Pradesh,	3449600
388	Physical Sciences	Molecular Structure And Vibrational Dynamics Of Ionic Liquids And Their Binary Mixtures With Solvents	Dr. Dheeraj Kumar Singh, Institute of Infrastructure Technology Research and Management, Ahmedabad, Gujarat,	4753320
389	Physical Sciences	Studies On TCO/TiO ₂ And TiO ₂ /CH ₃ NH ₃ SnI ₃ Interfaces Deposited By Sputtering And Spin Coating For Perovskite Type Solar Cell Application	Dr. Jagadeesh Babu Bellam, Madanapalle Institute of Technology & Science, Chittoor, Andhra Pradesh,	3559310
390	Physical Sciences	A Class Of Nonlocal Doubly Singular Boundary Value Problems With Riemann Stieltjes Integral Type Boundary Conditions	Dr. Amit Kumar Barnwal, Madan Mohan Malviya University of Technology, Gorakhpur, Uttar Pradesh, 273008	1874450
391	Physical Sciences	Heterostructural Growth And Characterization Of III-Nitrides On Graphene Template For Electronic And Optoelectronic Applications	Dr. Balaji M, University of Madras, Chennai, Tamil Nadu, 600005	4968480
392	Physical Sciences	Fault Tolerant Quantum Computing With Holographic Error Correcting Codes	Dr. Shiroman Prakash, Dayal Bagh Educational Institute, Agra, Uttar Pradesh, 282002	1917300

393	Physical Sciences	Distance Based Topological Indices Problems In Cheminformatics And Its Applications	Dr. Sundararajan R, Hindustan Institute of Technology and Science, Kanchipuram, Tamil Nadu,	1469050
394	Physical Sciences	Sequential Estimation Of Survey Parameters With Pre-Specified Accuracy	Dr. Bhargab Chattopadhyay, Indian Institute of Information Technology Vadodara, Gandhinagar, Gujarat, 382028	528825
395	Physical Sciences	Some Methods For Classification And Clustering Of Functional Data	Dr. Subhajt Dutta, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1698400
396	Physical Sciences	Mathematical Simulations Of Nanoparticles As Drug Carrier On Blood Flow Through A Stenotic Artery	Dr. Vasu Buddakkagari, Motilal Nehru National Institute of Technology Allahabad, Allahabad, Uttar Pradesh,	2280520
397	Physical Sciences	CHARACTERIZING THE SETS OF PERIODIC POINTS OF AUTOMORPHISMS ON A SOLENOID	Dr. Sharan Gopal, Birla Institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana , 500078	1998480
398	Physical Sciences	Cartilage Mechanics: Multiscale Modeling, Analysis And Scientific Computing	Dr. Sarthok Sircar, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi,	2191230
399	Physical Sciences	Development Of A Novel, Efficient And Low-Cost Process For Water Treatment Using Graphene-Oxide Nanoparticles With Real-Time Zero Discharge Effluent Technique	Dr. Gunasekaran Venugopal, Central University of Tamilnadu, Thiruvarur, Tamil Nadu,	3794510
400	Physical Sciences	Study On Local Cohomology By Using Theory Of D-Modules	Dr. Jyoti Singh, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	604120
401	Physical Sciences	Quantum Mechanics Of Bicomplex Hamiltonian Systems.	Dr. Abhijit Banerjee, Krishnath College, Murshidabad, West Bengal, 742101	1825560
402	Physical Sciences	Theoretical Investigation Of Magnetism At Different Length Scales	Dr. Sasmita Mohakud, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	3812600
403	Physical Sciences	Graphene Nanoribbons For Electronic And Electrochemical Sensing Applications.	Dr. Suresh Kumar, Panjab University, Chandigarh, Chandigarh, 160014	3612889
404	Physical Sciences	Mathematical Modeling Of Tumor Immune Competitive Systems: Model Analysis And Validation	Dr. Subhash Khajanchi, Bankura University, Bankura, West Bengal, 722155	2259060
405	Physical Sciences	Multi-Scale Modelling In Human Carotid Artery	Dr. Sarita Singh, Doon University, Dehradun, UTTARAKHAND,	3404816
406	Physical Sciences	Theoretical Studies Of Quantum Phase Transitions Of Dipolar Bosons In Frustrated And Flatband Lattices.	Dr. Tapan Mishra, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	3205915

407	Physical Sciences	Braided Quantum Groups And Noncommutative Geometry	Dr. Sutanu Roy, National Institute of Science Education and Research Bhubaneswar, Bhubaneshwar, Orissa, 751005	1480600
408	Physical Sciences	Some Problems In Spectral Graph Theory And Matrix Theory.	Dr. Rajesh Kannan M, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	1587244
409	Physical Sciences	Development Of Charge-Transfer Nanohybrids Of 2D Transition Metal Dichalcogenides To Fabricate Flexible Thin Film Devices	Dr. Bikas Chandra Das, Indian Institute of Science Education and Research Thiruvananthapuram, Thiruvananthapuram, Kerala,	2310000
410	Physical Sciences	Application Of Kneading Theory In Iterative Root Problems	Dr. Veerapazham Murugan, National Institute of Technology Karnataka, Surthakal, Karnataka, 575025	418010
411	Physical Sciences	Substrate Mediated Phase Transition In Two-Dimensional Liquid Crystal Systems	Dr. Debabrata Deb, Thapar Institute of Engineering & Technology, Patiala, Punjab,	2645060
412	Physical Sciences	Iwasawa Theory Over \mathbb{Z}_p -Adic Lie Extensions	Dr. Somnath Jha, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1784520
413	Physical Sciences	Holography For Asymptotically Flat Spacetimes	Dr. Arjun Baghchi, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1710390
414	Physical Sciences	Investigation Of Fusion-Fission Reaction Dynamics In Heavy Ion Interactions.	Dr. Devendra Pal Singh, University of Petroleum and Energy Studies, Dehradun, UTTARAKHAND,	1689600
415	Physical Sciences	Elliptic And Siegel Cusp Forms: Fourier Coefficients And L-Functions	Dr. Karam Deo Shankhadhar, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1689600
416	Physical Sciences	Collective Dynamics Of Microscale Swimmers And Crawlers	Dr. Raghunath Chelakkot, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	2956078
417	Physical Sciences	Novel Memristors Based On Lead Free Ferroelectric-Semiconductor Heterostructures	Dr. Koppole Chandra Sekhar, Central University of Tamilnadu, Thiruvarur, Tamil Nadu,	4619600
418	Physical Sciences	Mathematical Modeling Of Ecological Systems: An Application To The Biological Science	Dr. Sharada Nandan Raw, National Institute of Technology Raipur, Raipur, Chhattisgarh, 492010	2028565
419	Physical Sciences	Preparation Of High Energy Electrode Materials From Ordered Double Hydrophilic Block Copolyelectrolyte Nanostructures	Dr. Sivanantham Murugaboopathy, Prist University, Thanjavur, Tamil Nadu,	2172400
420	Physical Sciences	Hybrid 2D MoS ₂ Nanosheets For Photocatalytic Water Purifications	Dr. Manika Khanuja, Jamia Millia Islamia, New Delhi, Delhi, 110025	3098308

421	Physical Sciences	Closure Approach Using Higher Central Moments In Mathematical Ecology: Influence Of Fluctuating Environment In Ecosystems	Dr. Anupam Priyadarshi, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	2387220
422	Physical Sciences	Unveiling Mergers Of Galaxy Clusters With Radio Halos/Relics: Using High Fidelity Radio And X-Ray Observations	Dr. Abhirun Datta, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	3553533
423	Physical Sciences	Theoretical Investigations Of High Energy Optical Conductivity And Anomalous Spectral Weight Transfer In Cuprates And Other Strongly Correlated Electron Systems	Dr. Subhra Sen Gupta, Shiv Nadar University, Gautambudh Nagar, Uttar Pradesh,	2078560
424	Physical Sciences	Electronic Structure Evolution Across Quantum Critical Points In $\text{Li}(\text{Ti}1-\text{XVx})2\text{O}4$ And $(\text{Li}1-\text{XZnx})\text{V}2\text{O}4$	Dr. Swapnil Patil, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	5500000
425	Physical Sciences	Fabrication Of Performance Enhanced Solid Oxide Fuel Cell Based On Strained Gd Doped CeO_2 Electrolyte.	Dr. K Mohan Kant, Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, 440010	3740000
426	Physical Sciences	Lead Free Inorganic Halide Perovskite Nanostructures For Solution-Processable Photovoltaic Cell	Dr. Ajay Kumar Kushwaha, Indian Institute of Technology Indore, Indore, Madhya Pradesh, 452011	3135000
427	Physical Sciences	Fabrication And Characterization Of Hybrid Organic–Inorganic Nanocomposite Thin Films For Photovoltaic Application	Dr. Rupak Banerjee, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	3713600
428	Physical Sciences	External Stimulus Tunable Random Lasing Based On Magnetic Soft Matter	Dr. Junaid Masud Laskar, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	4840790
429	Physical Sciences	Design And Development Of Foldable, Lightweight, Low Cost CNT/Sulfur Nanocomposite Electrodes For High Energy Storage Li-S Battery	Dr. Balram Tripathi, S S Jain Subodh Pg (Autonomous) College, Jaipur, Rajasthan, 302004	2789600
430	Physical Sciences	Anomalous Heat Transport In Open Classical Interacting Many-Particle Systems	Dr. Anupam Kundu, International Centre for Theoretical Sciences, Bangalore, Karnataka,	2118600
431	Physical Sciences	Elasticity Of Telomeric DNA And The Effect Of Human TRF1 Protein Binding	Dr. Ashok Garai, Lnm Institute of Information Technology, Jaipur, Rajasthan,	2665203
432	Physical Sciences	Low Cost, Novel All-Solid-State Thin Film Lithium Ion Micro-Batteries For Energy Application	Dr. Kamala Bharathi Karuppanam, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	3889600
433	Physical Sciences	Investigation Of Forming Free Resistive Switching In Functional Oxide Thin Films And Heterostructures Compatible To Silicon Technology	Dr. Ayan Roy Chaudhuri, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	2638459
434	Physical Sciences	Robust Adaptive Mesh Methods For Singularly Perturbed Problems In	Dr. Sunil Kumar, Indian Institute of Technology (Bhu),	2095279

		Ordinary And Partial Differential Equations	Varanasi, Uttar Pradesh, 221005	
435	Physical Sciences	On The Investigation Of Relation Between Classical Integral Transforms And Wavelet Transforms On The Distribution Spaces	Dr. Abhishek Singh, Amity University Noida, Noida, Uttar Pradesh,	1359600
436	Physical Sciences	Modelling & Simulation Of Three-Dimensional Magnetohydrodynamic Nanofluid Flows Over A Stretching Surface	Dr. Raj Nandkeolyar, Thapar Institute of Engineering & Technology, Patiala, Punjab,	1747036
437	Physical Sciences	Solar Energy Harvesting Using Exotic Metal Nanoparticle-Periodically Segmented TiO ₂ Hybrids For Photocatalytic Applications	Dr. Himani Sharma, Doon University, Dehradun, UTTARAKHAND,	4718515
438	Physical Sciences	Smart Magnetic Media For Spin Wave Based Devices	Dr. Arabinda Haldar, Indian Institute of Technology Hyderabad, Hyderabad, Telangana , 502205	5045217
439	Physical Sciences	Optofluidic Platform For Controlled Droplet Manipulation	Dr. Subramanyan Namboodiri Varanakkottu, National Institute of Technology Calicut, Calicut, Kerala, 673600	4676402
440	Physical Sciences	Laser Cooling And Trapping Of Rubidium Atom, And Superflash Of Light Using The Narrow 5S1/2 →6P3/2 Transition At 420 Nm	Dr. Kanhaiya Pandey, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	3406611
441	Physical Sciences	Collection Of Self-Propelled Particles In Inhomogeneous Environment: Numerical And Analytical Studies	Dr. Shradha Mishra, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	2459600
442	Physical Sciences	Effect Of Time Delay In Spatio-Temporal Models And Their Applications In Biology	Dr. Ravi Pratap Gupta, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	1776281