

## Science & Engineering Research Board

List of ECR Projects Sanctioned in the Year 2016-17				
S. No	Sub Area	Title	PI Details	Total Cost
1.	Chemical Sciences	Synthesis of novel indolo pyrrano coumarins, indolo carbazolo coumarins and cytosino coumarins and study of their antioxidant and antiglycosidase activity	Dr. Hari Krishna Kadam Department of Chemistry St.Xavier College North Goa- Goa	2895000
2.	Chemical Sciences	Role of Ammonia in the chemistry of oxygenated volatile organic compounds: A comobined IR spectroscopic and quantum chemical investigation	Dr. Biman Bandyopadhyay Department of Chemistry Malviya National Institute of Technology Jaipur- Rajasthan	3960000
3.	Chemical Sciences	Adjuvants based on hybrid antibiotics to combat resistance: Design, Synthesis and versatile therapeutic evaluation of novel fluoroquinolone aminoglycoside conjugates (FACs)	Dr. Sushil Kumar Maurya Natural Product Chemistry And Process Development Institute of Himalayan Bioresources Technology Palampur- Himachal Pradesh	3542000
4.	Chemical Sciences	Traditional and New Approaches towards the discovery of dengue protease inhibitors potent drug like antiviral agents dengue fever	Dr. Rambabu Gundla GITAM University Hyderabad- Telangana	2323000
5.	Chemical Sciences	Organoboron Macrocyces as Adaptable photoactive materials	Dr. Prakash P N Soft Nanostructures Institute of Nano Science And Technology Mohali- Punjab	3869000
6.	Chemical Sciences	Stimuli-responsive collapse fo tailored single chain functional polymer to diverse hierarchical nanostructures for catalysis and self-healing applications	Dr. Ashish Pal Soft Nanostructures Institute of Nano Science And Technology Mohali- Punjab	3996000
7.	Chemical Sciences	Synthesis of a new class of strong organic acceptors and their nanoparticles formulation for sensing application	Dr. Jayamurugan Govindasamy Department of Nanoscience Insitute of Nano Science And Technology Mohali- Punjab	2414000

8.	Chemical Sciences	Photomagnetic Control of molecular spintronic properties	Dr. Md.Ehesan Ali Department of Computational Nano Science Institute of Nano Science And Technology Mohali- Punjab	4358000
9.	Chemical Sciences	Theoretical investigation of the effect of environment fluctuations on vibrational energy relaxation of complex molecular	Dr. Pradeep Kumar Department of Chemistry National Institute of Technology Jaipur- Rajasthan	4055000
10.	Chemical Sciences	Positive and negative impacts of macromolecular crowding agents during target site location by DNA binding proteins -origin of optimal search at physiological ionic concentration	Dr. Arnab Bhattacharyya School of Computation And Integrative Sciences Jawaharlal Nehru University New Delhi- Delhi	3001000
11.	Chemical Sciences	Design and synthesis of functionalized metal-organic frameworks for selective gas adsorption and heterogeneous catalysis	Dr. Subhadip Neogi Department of Inorganic Materials And Catalysis Central Salt And Marine Chemical Research Institute Bhavnagar- Gujarat	3529000
12.	Chemical Sciences	Synthesis and Decoration of drug-like molecular using transition metal-Catalyzed C(sp <sup>2</sup> )-H/C(sp <sup>3</sup> )-H Bond activation approach	Dr. Chandi Charan Malakar Department of Basic Science And Humanities, Chemistry National Institute of Technology Imphal- Manipur	3884000
13.	Chemical Sciences	N-Heterocyclic Nitrenium Based pincer ligand and their Transition metal complexes: Exploring potential catalytic applications	Dr. Dipankar Srimani Department of Chemistry Indian Institute of Technology-Guwahati Guwahati- Assam	4730000
14.	Chemical Sciences	Investigation of reactivities and applications of new electrophile components for Morita-Baylis-Hillman reactions	Dr. Mahagundappa Rachappa Maddani Department of Chemistry Mangalore University Mangalore- Karnataka	3267000
15.	Chemical Sciences	An Investigation into the molecular interactions of dietary polyphenols with hen egg white lysozyme using biophysical techniques	Dr. Atanu Singh Roy Department of Chemistry National Institute of Technology Shillong- Meghalaya	3669000
16.	Chemical Sciences	Design and synthesis of molecular catalysis for chemical, Electrochemicals and photochemical water oxidation, carbon dioxide reduction and production	Dr. Somnath Maji Department of Chemistry Indian Institute of Technology-Hyderabad Hyderabad- Telangana	3821000

17.	Chemical Sciences	Dissecting the mechanistic understanding of sialic acid glycosylations utilization <sup>®</sup> -2-phenylcyanoethane as a novel multipurpose protecting group applications towards the synthesis of legionaminic acid and its glycosides	Dr. Pavan Kumar Kancharla Department of Chemistry Indian Institute of Technology-Guwahati Guwahati- Assam	4973000
18.	Chemical Sciences	Synthesis, structural and transport properties of quasicrystals and related quasicrystal approximants in zinc-rich intermetallics	Dr. Partha Pratim Jana Department of Chemistry Indian Institute of Technology-Kharagpur Kharagpur- West Bengal	4713000
19.	Chemical Sciences	Optical Spectroscopy of trapped (and patterned) nano-particles and (macro) molecules in solution	Dr. Arijit Kumar De Department of Chemical Sciences Indian Institute of Science Education And Research- Mohali Mohali- Punjab	4644000
20.	Chemical Sciences	A New Class of Anti-Malarials: Constituting New Avenues for Anti-malarial Therapy	Dr. Brijesh Rathi Department of Chemistry Hans Raj College, University of Delhi Delhi- Delhi	3289800
21.	Chemical Sciences	Development of environmentally benign inorganic pigments for energy saving cool roof and anti corrosive applications	Dr. Nishanth K. G. Division of Materials Science And Technology National Institute For Interdisciplinary Science And Technology Thiruvananthapuram- Kerala	2899000
22.	Chemical Sciences	Photo-responsive self assembled peptide nanostructures as smart delivery and scaffolding materials for biological applications	Dr. Assem Mishra Department of Biotechnology Utkal University Bhubaneswar- Odisha	3300000
23.	Chemical Sciences	Development of phosphinous acid functionalized PNP pincer ligands study of non innocent behavior with group eight metal complexes and catalytic applications	Dr. Pawan Kumar Department of Chemistry Rajdhani College University of Delhi New Delhi- Delhi	3374000
24.	Chemical Sciences	Transition metal catalyzed transfer hydrogenation and metal organo co operative catalysis versatile routes to valuable molecular scaffolds	Dr. Suman Desarkar Department of Chemical Sciences Indian Institute of Science Education And Research- Kolkata Nadia- West Bengal	3240000

25.	Chemical Sciences	Mechanical and Electronic properties of double and multi walled carbon nanotubes quantum chemical and raman spectroscopic investigations	Prof. Brijesh Kumar Mishra Department of Chemistry International Institute of Information Technology Bangalore- Karnataka	3705000
26.	Chemical Sciences	Plasmonic enhancement of single molecule fluorescence by metallic nanoantennas assembled on DNA origami	Dr. Tapasi Sen Institute of Nano Science And Technology Mohali- Punjab	4736000
27.	Chemical Sciences	Smart Biomimetic molecular crystal for energy conversion	Dr. Naba Kumal Nath Department of Chemistry National Institute of Technology Meghalaya Shillong- Meghalaya	3707000
28.	Chemical Sciences	Photo CC photocatalytic construction of C-C and C-X(X=N,O,S,etc) bonds via visible light mediated cross coupling reactions synthesis of N heterocycles	Dr. Soumitra Maity Department of Applied Chemistry Indian School of Mines Dhanbad- Jharkhand	3300000
29.	Chemical Sciences	N-Heterocyclic Carbene (NHC) mediated desymmetrization of meso cyclic anhydrides and enantioselective dearomative, conjugate borylation reactions	Dr. Alagiri Kaliyamoorthy School of Chemistry Indian Institute of Science Education And Reserch- Thiruvananthpurm Thiruvananthapuram- Kerala	4092000
30.	Chemical Sciences	Computational Prebiotic Chemistry Probing Abiogenesis via Electronic Structure theory	Dr. Raghunath Ozhapakkam Ramabhadran Department of Chemistry Indian Institute of Science Education And Research Tirupati- Andhra Pradesh	3955000
31.	Chemical Sciences	Theoretical investigation on relaxation dynamics of ultrafast generated molecular triplet states	Dr. Vennapusa Sivaranjana Reddy Indian Institute of Science Education And Research- Thiruvanthapuram Thiruvananthapuram- Kerala	2326000
32.	Chemical Sciences	Exploring the mechanistic enzymology of the anaerobic of 5,6-dimethylbenzimidazole the lower ligand of vitamin B12	Dr. Amrita Brajagopal Hazra Department of Chemistry Indian Institute of Science Education and Research Pune- Maharashtra	4879000
33.	Chemical Sciences	Flexible multidentate ligand and Pd <sup>2+</sup> based supramolecular discrete coordination compounds to heterobimetallic coordination polymers and its applications	Dr. Niladari Bihar Debat Department of Chemistry CV Raman College of Engineering Bhubeshwar- Odisha	2937000

34.	Chemical Sciences	Systematic design of redox potential tunable nanoparticles to mimic the function of biological enzymes for mitigating the diseases caused by reactive oxygen species	Dr. Ajay Singh Karakoti Department of Chemical Engineering Ahmedabad University Ahmedabad- Gujarat	3432000
35.	Chemical Sciences	Evaluation of genetically coded redox conopeptides as the folding catalysis of biologically active conotoxins development of regenerative immobilized reagents for simplified oxidative folding of disulfide rich peptides and proteins	Dr. Konkullu Hanumae Gowd Department of Chemistry Central University of Karnataka Gulbarga- Karnataka	3979000
36.	Chemical Sciences	Appraisal of catalytic activity and structure counture of nanomaterials towards sustainability	Dr. Vijay Parewa Department of Chemistry Rajasthan University Jaipur- Rajasthan	2772000
37.	Chemical Sciences	Dual Folic Acid Aptamer Conugated luminescent PLGA-chitosan nanoparticles as optical imaging and drug delivery vehicle for cancer cells	Dr. E. Babu Department of Chemistry Sri Eswar College of Engineering Coimbatore- Tamilnadu	2534000
38.	Chemical Sciences	Insilico identification of adsorbent material for complete separation of C5-C7 alkane Isomers : An attempt towards upgradation of octane number of petrol/Gasoline	Dr. Bhaskarjyoti Borah Department of Physical Sciences Charotar University of Science and Technology Anand- Gujarat	3970000
39.	Chemical Sciences	Structural and Dynamic Characterization of Epigenetic modification in Duplex DNA	Dr. Bharathwaj Sathyamoorthy Department of Chemistry Indian Institute of Science Education And Research- Bhopal Bhopal- Madhya Pradesh	5318000
40.	Chemical Sciences	Low Temperature synthesis of carbonophoshates (Na <sub>3</sub> M(CO <sub>3</sub> )(PO <sub>4</sub> ) =Mn, fe and Co I, a family of high capacity multi electron transfer redox cathode materials for Stationary energy storage systems	Dr. H. Manjuatha Department of Chemistry GITAM University Vishakhapattanam- Andhra Pradesh	3102000
41.	Chemical Sciences	Exploiting Thermodynamic Spectroscopic And Microsopic Studies to Understand Mechanism of GAS peptide interaction	Dr. Manoj Munde School of Physical Sciences Jawaharlal Nehru University New Delhi- Delhi	4879000

42.	Chemical Sciences	Catalytic Evaluation of Cooperative and Red-Ox Non-Innocent metal complexes in organic transformations	Dr. Biswajit Saha Department of Materials Science And Engineering North East Institute of Science & Technology Jorhat- Assam	2937000
43.	Chemical Sciences	Development of stable organic inorganic hybrid perovskite solar cells	Dr. Aswani Yella Department of Metallurgic Engineering And Materials Science Indian Institute of Technology Mumbai- Maharashtra	5500000
44.	Chemical Sciences	Novel Smart Block Copolymers owing magnetic and thermoresponsive behaviour synthesis and application in solid/liquid separation	Dr. Krishna Kumar Department of Applied Science Madan Mohan Malaviya University of Technology Gorakhpur- Uttar Pradesh	3738000
45.	Chemical Sciences	Bioorthogonal catalysis using metal complexes encapsulated Nanopartilces for prdrug Activation with living cells	Dr. Pijus Kumar Sasmal School of Physical Sciences Jawaharlal Nehru University New Delhi- Delhi	5347000
46.	Chemical Sciences	Azobenzene/Spiropyran derived N-Heterocyclic Carbenes and Their transition metal complexes to control organic transormations on Demand	Dr. Pintu Kumar Kundu SRM Unversity Kattakulathur- Tamilnadu	3320000
47.	Chemical Sciences	Cellulose nanofibres extraction from waste forest biomaterials and its applications in bio-based polyurethane nanocomposites	Dr. Pradip Kumar Maji Department of Polymer & Process Engineering Indian Institute of Technology Roorkee- Uttarakhand	4879000
48.	Chemical Sciences	Elucidation of kinetic pathways of protein ligand recognition and improvement of virtual drug discovery using computer simulation	Dr. Jagannath Mondal Tata Institute of Fundamental Research Mumbai- Maharashtra	5292000
49.	Chemical Sciences	Development of novel Amphiphilic Dendrimer based multifunctional nano assemblies as siRNA delivery systems for cancer therapy	Dr. Rajesh B.R.D. Yamajala Department of Chemistry Sastra University Thanjavur- Tamilnadu	2772000
50.	Chemical Sciences	Non Linear optical and anti bacterial applications of glycine and its derivatives	Dr. Dhanasekaran Palanisamy Department of Physics Erode Sengunthar Engineering College Erode- Tamilnadu	2442000

51.	Chemical Sciences	Investigation on the dynamics of charge transfer processes in flexible plastic counter electrodes and quasi liquid electrolyte system in dye solar cells	Dr. Muthuraaman Bhagavathiachari Department of Energy Madras University Chennai- Tamilnadu	3355000
52.	Chemical Sciences	Design of noble metal free electrocatalysis for efficient oxygen reduction in low temperature fuel cells	Dr. Anita Subhash Swami Department of Chemistry SRM University Kattankulathur- Tamilnadu	3195000
53.	Chemical Sciences	Stereoselective Strategies towards beta glycosylation En route synthesis of bioactive compounds	Dr. Rima Thakur Department of Chemistry National Institute of Technology Patna- Bihar	3762000
54.	Chemical Sciences	Unraveling physical chemistry of drug-DNA interaction: Essential steps towards rational drug design	Dr. Neelam Keshwani Department of Chemistry Ramniranjan Jhunjhunwala College Mumbai- Maharashtra	3597000
55.	Chemical Sciences	A Bound state electronic structure theory approach to investigate the electron detachment initiated by light	Dr. Kousik Samanta School of Basic Sciences Indian Institute of Technology Bhubneshwar- Odisha	4895000
56.	Chemical Sciences	Fundamental Investigation of biopolymers biosurfactants interaction towards understanding their physiochemical behaviour using fluorescent drug molecules	Dr. Monalisa Mohapatra Department of Chemistry Veer Surendra Sai University of Technology Sambalpur- Odisha	3762000
57.	Chemical Sciences	Protein at the interfaces of liquids	Dr. Debashree Chakraborty Department of Chemistry National Institute of Technology Surthakal- Karnataka	5341000
58.	Chemical Sciences	Understanding mechanism of energy transfer in photoredox catalysts and its applications in catalytic transformation reactions	Dr. Azaj Ansari Department of Chemistry Central University of Haryana Mahendragarh- Haryana	4089000
59.	Chemical Sciences	Electrodeposited mixed metal chalcogenide graphene composites for visible light enhanced photocatalytic hydrogen generation	Dr. Nagashree K. L. Department of Chemistry BMS College of Engineering Bangalore- Karnataka	3036000
60.	Chemical Sciences	Metal and metal chalcogenide nanoparticles catalytic and sensing applications	Dr. Arun Kumar Department of Chemistry Doon University Dehradun- Uttarakhand	2591000

61.	Chemical Sciences	Microfluidics assisted fabrication of bio orthogonal colloidal microcapsules for single cell analysis	Dr. Sarit Sekhar Agasti Department of New Chemistry Jawaharlal Nehru Centre For Advanced Scientific Research Bangalore- Karnataka	4098000
62.	Chemical Sciences	Development of hetero (di) nuclear transition metal complexes of N-Heterocyclic carbene based ligands catalytic applications	Dr. Arnab Rit Department of Chemistry Indian Institute of Technology Chennai- Tamilnadu	5390000
63.	Chemical Sciences	Surface plasmon induced hot electron mediated photocatalysis for solar h2 generation	Dr. Brundabana Naik Centre for Science and Nano Technology Siksha O Anusandhan University Bhubneshwar- Odisha	3943000
64.	Chemical Sciences	Photocatalytic driven hydrogen generation and cellulosic biomass conversion using mesoporous carbon nitrides	Dr. Kamalakannan Kailasam Department of Energy And Environment Institute of Nano Science And Technology Mohali- Punjab	3585000
65.	Chemical Sciences	Nanobot A Mechanical Drug Technology based dendritic drug for cancer Treatment	Dr. Subrata Ghosh Natural Product Chemistry North East Institute of Science & Technology Jorhat- Assam	3526000
66.	Chemical Sciences	Highly reactive arenes for new C-C bonds formation using B(C6F5)3 catalyst in ecofriendly solvent	Dr. Gowri Sankar Reddipalli Department of Chemistry GITAM University Visakhapatnam- Andhra Pradesh	2530000
67.	Chemical Sciences	Chemically Modified Polysaccharides linked to schiff base ligand metal complex a novel approach of investigation towards antioxidant and antitumor activities	Dr. Tanmoy Kumar Saha Department of Chemistry National Institute of Technology Durgapur- West Bengal	2183000
68.	Chemical Sciences	Design and highly efficient nanostructured non precious electro catalysts for hydrogen production using Alkaline water electrolysis	Dr. Maiyalagan Thandavarayan Department of Chemistry SRM University Kanchipuram- Tamilnadu	2636000
69.	Chemical Sciences	Incorporation of pendant lewis pairs into secondary coordination sphere of the metal ions cooperative substrate binding and activation	Dr. Animesh Das Department of Chemistry Indian Institute of Technology Guwahati- Assam	4620000



70.	Chemical Sciences	Organometallic photosensitizers bearing hybrid N-heterocyclic carbene ligands	Dr. Abbas Raja Naziruddin Department of Chemistry Malviya National Institute of Technology Jaipur- Rajasthan	3373000
71.	Chemical Sciences	Modular Approach to DNA based catalyst	Dr. Mithun Roy Basic Science And Humanities National Institute of Technology Imphal- Manipur	2992000
72.	Chemical Sciences	Superstable responsive aqueous foam for synthesis of novel biomimetic materials	Dr. Dharmesh Subbasha Rao Varade Department of Chemical Engineering Ahmedabad University Ahmedabad- Gujarat	3817000
73.	Chemical Sciences	Bromophycolides as antimalarial and anticancer natural products their total synthesis using asymmetric organocatalytic $\alpha$ -bromination reactions	Dr. Gokarneswar Sahoo Department of Chemistry National Institute of Technology Rourkela- Odisha	4092000
74.	Chemical Sciences	Self assembly of fluorescent dyes into nanofibers with tuneable optical properties	Dr. Shanker Govindaswamy Department of Chemistry Bangalore University Bangalore- Karnataka	3322000
75.	Chemical Sciences	Biomolecules assisted synthesis of ternary CuCo <sub>2</sub> S <sub>4</sub> /graphene composites for supercapacitor and photocatalyst applications- A facile green approach	Dr. Vadivel S. Department of Chemistry PSG College of Technology Coimbatore- Tamilnadu	2362000
76.	Chemical Sciences	Theoretical studies on transition metal and metal free activation of small un-reactive molecules	Dr. Ankur Kanti Guha Department of Chemistry Cotton College State University Guwahati- Assam	2885000
77.	Chemical Sciences	Development of sustainable reactions and methods using dibenzothiophene 5,5-dioxide synthesis of pi-conjugated systems	Dr. Bhanuchandra M. Department of Chemistry Central University of Rajasthan Kishangarh- Rajasthan	3872000
78.	Chemical Sciences	Halogen Bonded supramolecules showing liquid crystalline properties	Dr. Susanta Kumar Nayak Department of Chemistry Visvesvaraya National Institute of Technology Nagpur- Maharashtra	4560000
79.	Chemical Sciences	Surface immobilized growth of anisotropic noble metal nanoparticles spectroscopic investigation and application	Dr. Aniruddha Paul Department of Chemistry National Institute of Technology	4516000

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80.	Chemical Sciences	Subsurface oxygen and its effect on catalytic process towards application in environmental pollution	Dr. Nagarajan Sankaranarayanan Department of Chemistry National Institute of Technology Imphal- Manipur	2970000
81.	Chemical Sciences	Synthesis and physico chemical chemical characterization of NLO polymers for frequency doubling devices	Dr. Kolli Bala Sankaranarayanan Department of Chemistry GITAM University Visakhapatnam- Andhra Pradesh	2145000
82.	Chemical Sciences	Host Guest Chemistry for stimuli responsive systems	Dr. Suvankar Dasgupta Department of Chemistry National Institute of Technology Patna- Bihar	3621000
83.	Chemical Sciences	Semiconducting single-walled carbon nanotube based field effect transistor biosensor for multianalyte detection in food samples	Dr. Ashok Kumar Sundaramoorthy Department of Chemistry SRM University Kattankulathur- Tamilnadu	3269000
84.	Chemical Sciences	Design and development of novel pincer phosphine ligands for metal carbonyls structure kinetics optical properties catalytic and biological applications	Dr. Nagarajan Loganathan School of Chemistry Bharathidasan University Tiruchirappalli- Tamilnadu	3251800
85.	Chemical Sciences	Rational Design of crop based amphiphiles as new building blocks for self assembled soft materials	Dr. Jyothish Kuthanapillil Department of Chemistry Nirmala College Muvattupuzha Kochi- Kerala	2964000
86.	Chemical Sciences	Total oxidation of diesel engine exhaust and volatile organic compounds by using Cs and Mg doped MnxCel-xO <sub>2</sub> -y and CuxCel-xO <sub>2</sub> -Y catalyst	Dr. Pavan Manohar More Department of Chemistry Institute of Chemical Technology Mumbai- Maharashtra	4659000
87.	Chemical Sciences	Nanobiocatalysis surface engineered metal nanoparticles promoted biocatalysis for the synthesis of chiral alcohols	Dr. Stella Selvaraj Department of Chemistry Sarah Tucker Collete Tirunelveli- Tamilnadu	1678000
88.	Chemical Sciences	Synthesis of oligosaccharide motifs related to the cell wall lipopolysaccharide of providencia sturtii O18 providencia sturtii O47 and providencia alcalifaciens O33 towards the preparation of	Dr. Rajib Panchadhayee Department of Chemistry Assam University Silchar- Assam	3646000

		carbohydrate based protecting against providencia		
89.	Chemical Sciences	Surface plasmon mediated photocatalysis of borrowing hydrogen reactions	Dr. Venugopal Thrivikrama Bhat Department of Chemistry SRM University Kattankulathur- Tamilnadu	2437000
90.	Chemical Sciences	Exploiting the synthetic potential of unsaturated sulfones in heterocyclic construction and alkaloid synthesis	Dr. Rajeev S. Menon Department of Chemistry Central University of Haryana Mahendragarh- Haryana	4312000
91.	Chemical Sciences	Synthesis of thiolated phenylboronic and derivatives stabilized nickel (II) Nanoparticles and its liquids film modified electroics for dtermination of hemoglobin variants (HbAla and HbAlc)	Dr. Prabhu Pandurangan Department of Physical Chemistry Madras University Chennai- Tamilnadu	3883000
92.	Chemical Sciences	Design and development of full solar spectrum enriched phtocatalyst for sutainable water treatment	Dr. Saravanan Pichiah Department of Environmental Science and Engineering Indian Institute of Technology Dhanbad- Jharkhand	1540000
93.	Chemical Sciences	Aqueous and nan aqueous symmetric Na-ion battery for energy storage	Dr. Sreeraj Puravankara School of Energy Science & Engineering Indian Institute of Technology Kharagpur- West Bengal	3740000
94.	Chemical Sciences	Synthesis of functionalized lipids and exploration of protein lipid cross talk during flavivirus infection	Dr. Pradip Tarafdar Department of Chemical Sciences Indian Institute of Science Education and Research Kolkata- West Bengal	4614000
95.	Chemical Sciences	Whey protein iron complexes preparation characterization and application in biscuits milk and dahi	Dr. Kamal Gandhi Department of Diary Chemistry Natioanl Dairy Research Institute Karnal- Haryana	3652000
96.	Chemical Sciences	Development of first row transition metal catalysts for catalytic asymmetric reductive functionalization reactions	Dr. Biplab Maji Department of Chemical Sciences Indian Institute of Science Education and Research Kolkata- West Bengal	2869000

97.	Chemical Sciences	Design of multisite coordinating ligands for the assembly of molecular magnets based on 3d/4f and metal cluster	Dr. Sourav Das Department of Chemistry Institute of Infrastructure Technology Research and Management Ahmedabad- Gujarat	3102000
98.	Chemical Sciences	Development of amine functionalized polymer electrolytes for reduction of CO <sub>2</sub> to fuel	Dr. Leela Manohar Aeshala Department of Chemical Engineering National Institute of Technology Hamirpur- Himachal Pradesh	3542000
99.	Chemical Sciences	Bifunctional enamine/Transition metal synergistic catalysis for the formation of new C-C Bonds synthesis and exploration of new class of phosphanyl amino ligands for catalysis	Dr. Rajendar Goreti Department of Chemistry Indian Institute of Science Education and Research Thiruvananthapuram- Kerala	3542000
100.	Chemical Sciences	Investigation of selective CO <sub>2</sub> capture by graphene carbon nanotube hybrid nanostructures using molecular dynamics simulations	Dr. Piyush Purushottam Wanjari Department of Chemical Engineering Visvesvaraya National Institute of Technology Nagpur- Maharashtra	2365000
101.	Chemical Sciences	Syntheses and stabilization of heterodiatomic (o) comuunds of main group elements and their application in homogeneous catalysis	Dr. Sudipta Roy Department of Chemistry Indian Institute of Science Education and Research Tirupati- Andhra Pradesh	4312000
102.	Chemical Sciences	Synergy between metal organic framework and organometallics through C-H bond activation Novel approach in heterogeneous multifunctional catalysis	Dr. Rupam Sen Department of Chemistry Adamas University Kolkata- West Bengal	3748000
103.	Chemical Sciences	Metal-Radical Based Molecular Magnets having Strong Magnetic Interactions	Dr. Kartik Chandra Mondal Dept. of Chemistry Indian Institute of Technology, Chennai Chennai- Tamilnadu	4661000
1.	Earth & Atmospheric Sciences	Integrated geophysical study for delineating details subsurface structure and possible minerals deposites around madawara region lalitpur uttar pradesh India	Dr. Animesh Mandal Department of Earth Sciences Indian Institute of Technology Kanpur-208016 Uttar Pradesh	4214700

2.	Earth & Atmospheric Sciences	Long term monitoring of precipitation and evapotranspiration for discharge prediction in selected catchments of Kosi River Basin	Dr. Prashant K. Srivastava Banaras Hindu University Varanasi-221005 Uttar Pradesh	1985000
3.	Earth & Atmospheric Sciences	Volatiles, variations of oxygen fugacity and ages for mafic-ultramafic xenoliths and xenocrysts from the Eastern Dharwar craton, Southern India	Dr. Sujoy Kanti Ghosh Geology & Geophysics Indian Institute of Technology Kharagpur Kharagpur-721302 West Bengal	1643250
4.	Earth & Atmospheric Sciences	Influence of anthropogenic and natural emissions on chemical composition of ambient aerosols and rain water chemistry over varanasi	Dr. Kirpa Ram Banaras Hindu University Vellore-221005 Tamilnadu	5330000
5.	Earth & Atmospheric Sciences	Physiology And molecular Adaptations of coral reef dwelling caridean shrimps of climate change	Dr. Prakash S. Centre For Climate Change Sathyabama University Chennai-600119 Tamilnadu	2182000
6.	Earth & Atmospheric Sciences	Multi Tracer Approach To assess Groundwater Recharge Ability in a part of northern Gujarat Sabarmati River Basin Under current land use	Dr. Rina Kumari School of Environmental Sciences Central University of Gujarat Gandhinagar-382030 Gujarat	5062000
7.	Earth & Atmospheric Sciences	Modelling of strong ground motion using modified semi-empirical technique	Dr. Sandeep Department of Geophysics Banaras Hindu University Varanasi-221005 Uttar Pradesh	1953200
8.	Earth & Atmospheric Sciences	Development of Ionospheric TEC data assimilation model based on Kalman filter using ground and space based GNSS and Ionosonde observations	Dr. Devanaboyina Venkata Ratnam Department of Electronics And Communication Engineering KL University Vijayawada-522502 Andhra Pradesh	1732200
9.	Earth & Atmospheric Sciences	Past and present assessment of Himalayan glaciers for climate change and variability studies using a high resolution atmosphere glacier model	Dr. Pankaj Kumar Department of Earth And Environmental Sciences Indian Institute of Science Education And Research Bhopal-462066 Madhya Pradesh	2362200

10.	Earth & Atmospheric Sciences	Study of Estuarine turbidity Maxima in rivers with natural and altered environmental conditions central west coast of India	Dr. Lina L. Fernandes Division of Geological Oceanography National Institute of Oceanography Dona Paula-403004 Goa	1458000
11.	Earth & Atmospheric Sciences	Permeability evaluation in deep reservoir rocks An experimental and numerical study	Dr. Arghaya Das Department of Civil Engineering Indian Institute of Technology Kanpur-208016 Uttar Pradesh	4077000
12.	Earth & Atmospheric Sciences	Developing magnetic minerals as markers of evolution of natural gas hydrate systems in bay of bengal	Dr. Firoz Kadar Badesab Division of Geological Oceanography National Institute of Oceanography Dona Paula-403004 Goa	1614000
13.	Earth & Atmospheric Sciences	Effect of Ocean acidification on sea urchins	Dr. Suhas Suresh Shetye Division of Oceanography National Institute of Oceanography Dona Paula-403004 Goa	1952000
14.	Earth & Atmospheric Sciences	Assessing stocks and stabilization mechanisms of soil carbon as affected by land use and management practices in the north western indo-gangetic plains	Dr. Shriha Das Division of Soil Science And Agricultural Chemistry Indian Agricultural Research Institute New Delhi-110012 Delhi	3827600
15.	Earth & Atmospheric Sciences	Fabric analysis and tectonic stress determination in the rock of chitradurga region (Dharwar Craton South India)-implication for upper crustal fluid flow	Dr. Tridip Kumar Mondal Department of Geological Sciences Jadavpur University Kolkata-700032 West Bengal	1068200
16.	Earth & Atmospheric Sciences	Anisotropy of magnetic susceptibility (AMS) analysis of nandurbar dhule dyke swarm implications for dyke swarm emplacements	Dr. Jyotirmoy Mallick Department of Earth And Environmental Sciences Indian Institute of Science Education and Research Bhopal-462023 Madhya Pradesh	2060200
17.	Earth & Atmospheric Sciences	Investigation of heavy metals in soil rice systems in northeast india Food safety implications and evaluation of best management practices	Dr. Mayuri Chabukdhara Cotton College Sate University Guwahati-781001 Assam	3027950

18.	Earth & Atmospheric Sciences	Building crustal and the delineation of potential concealed mineralized zones in the north Singhbhum mobile belt (NSMB) eastern India craton through integrated geophysical studies	Dr. Gangumalla Srinvasa Rao Department of Applied Geophysics Indian School of Mines Dhanbad-826004 Jharkhand	4018200
19.	Earth & Atmospheric Sciences	Understanding new aerosol particle formation in the atmosphere observation modeling and comparisons	Dr. Vijay Kanawade University of Hyderabad Hyderabad-500046 Telangana	4910000
20.	Earth & Atmospheric Sciences	Probing the changes in the frequency and intensity of short duration extreme rainfall events over east coast of India	Dr. Naresh Krishna Vissa Department of Earth and Atmospheric Sciences National Institute of Technology Rourkela-769008 Odisha	2390200
21.	Earth & Atmospheric Sciences	Predictability of intraseasonal convective initiation over equatorial Indian Ocean	Dr. Neena Joseph Mani Earth and Climate Science Indian Institute of Science Education and Research Pune-411008 Maharashtra	3828105
22.	Earth & Atmospheric Sciences	Advancing predictions skill of rapid intensity changes of tropical cyclones over north Indian Ocean	Dr. Krishna Kishore Osuri National Institute of Technology -799008 Odisha	4491200
23.	Earth & Atmospheric Sciences	Geology geochemistry and geochronology of the western ghats belt (Kudremukh Greenstone Belt), western Dharwar craton India	Dr. Chandan Kumar B. Central University of Kerala Kasaragod-671123 Kerala	3348600
24.	Earth & Atmospheric Sciences	Palaeoenvironmental palaeoclimatic and palaeobiogeographic reconstruction of early and middle Triassic deposits of Damodar and Satpura basins using palaeontological sedimentological and stable isotope proxies	Dr. KONGRAILATPAM MILANKUMAR Sharma Central University of Punjab Bhatinda-151001 Punjab	3718600
25.	Earth & Atmospheric Sciences	Synthesis and characterization of Agglomerates of 13X zeolite and microporous hyper cross linked polymers for selective sorption of CO <sub>2</sub> from Natural Gas	Dr. Sandeep Sahany Indian Institute of Technology New Delhi-110016 Delhi	2217800

26.	Earth & Atmospheric Sciences	Biogeochemical of major and trace elements in brackish water lagoon system	Dr. Gyana Ranjan Tripathy Department of Earth and Climate Science Indian Institute of Science Education and Research Pune-411008 Maharashtra	4414000
27.	Earth & Atmospheric Sciences	Impact of atmospheric Aerosols on the large scale circulation over the Indian Summer monsoon region	Dr. Abish B. Department of Atmospheric Science Nansen Environmental Research Centre India Kochi-682016 Kerala	1496000
28.	Earth & Atmospheric Sciences	Evaluation of Land Surface model Coupled to Community Microwave Emission Model	Dr. Indu J Dept. of Civil Indian Institute of Technology Mumbai-400076 Maharashtra	3746000
29.	Earth & Atmospheric Sciences	Characterization of the frictional properties and Seismic aseismic transitions in active faults of the Himalaya	Dr. Santanu Misra Dept. of Earth Sciences India Institute of Technology Kanpur-208016 Uttar Pradesh	4210200
30.	Earth & Atmospheric Sciences	Data Assimilation of Satellite Observations into the regional Chemical Transport model for air Quality reanalyses and forecasts over India	Dr. Ujjwal Kumar School of Environment & national Resources Doon University Dehradun-248006 Uttarakhand	5462000
31.	Earth & Atmospheric Sciences	Heat waves over India: Analysis, Prediction and Risk Assessment	Dr. Gubbala China Centre for Atmospheric Sciences K L University Guntur-522502 Andhra Pradesh	2910200
32.	Earth & Atmospheric Sciences	Screening of rhizospheric microbes and soil metagenome for in vitro and in vivo plant growth promoting traits from Little Rann of Kutch, Gujarat India	Dr. Sangeeta D. Gohel Department of Biosciences Surashtra University Rajkot-380005 Gujarat	3303200
33.	Earth & Atmospheric Sciences	Feasibility of river bank filtration for rural water supply around check dam in non perennial rivers	Dr. S. Parimalarenganayaki Department of Environment and Water Resources Engineering VIT University Vellore-632014 Uttar Pradesh	2253500



34.	Earth & Atmospheric Sciences	Impact of extra tropical planetary wave forcing on the tropical weather	Dr. Bhagavathiammal G. J Department of Medical Physics Anna University Chennai-600025 Tamilnadu	1838000
35.	Earth & Atmospheric Sciences	Role of multiphase flows incontrolling the dynamics of melts and other geological fluids a theoretical and experimental investigation	Dr. Amiya Baruah Department of Geology Cotton College Sate University Guwahati-781001 Assam	5067200
36.	Earth & Atmospheric Sciences	Characterization of Biological Aerosole in North-East Indian with Reference to the overall Atmosheric environement and Possible Impact on Microclimate and Human Health	Dr. Binita Pathak Dibrugarh University Dibrugarh-788004 Assam	4393200
37.	Earth & Atmospheric Sciences	An Integrated remediation approach for chromium contaminated soil and water in vellore tamilnadu	Dr. Sathya Velusamy Department of Environmental Sciences Adhiparasakthi Agricultural College Vellore-632506 Tamilnadu	3373000
1	Engineering Sciences	Development of nano-meso structured cobalt based novel oxide thermoelectric materials for electric energy generation from waste heat	Dr. M. Arivanandhan Centre for Nanoscience And Technology Anna University Chennai-600025 Tamilnadu	3818200
2	Engineering Sciences	Development of protection scheme for AC microgrids	Dr. Sarasij Das Department of Electrical Engineering Indian Institute of Science Bangalore-560012 Karnataka	5074820
3	Engineering Sciences	Inter basin water transfer in India: When and how much? Adaptive multi -objective robust decision making for managing water transfers	Dr. Riddhi Singh Department of Civil Engineering Indina Institute of Technology-Hyderabad Hyderabad-502205 Telangana	2610800
4	Engineering Sciences	Application of Cognitive Radio Technology for Smart Grid Communication	Dr. Siddharth Deshmukh Department of Eletronics And Communication Engineering National Institute of Technology-Rourkela Rourkela-769008 Odisha	1828500
5	Engineering Sciences	Design And Fabrication of Hybrid Electrodes for energy storage application	Dr. Mohan Raja School of Engineering And Technology Jagran Lakecity University Bhopal-462044 Madhya Pradesh	2899600

6	Engineering Sciences	One-Pot Synthesis of Nitrogen and Sulphur Co-doped biomass derived graphene based cathode catalyst for polymer electrolyte fuel cells	Dr. Biraj Kumar Kakati Department of Energy Tezpur University Tezpur-784028 Assam	3496280
7	Engineering Sciences	Spectral Characterization of Rare Earth ions doped telluride glasses for optoelectronic materials applications	Dr. Swapna Koneru Department of Electrical And Electronics Engineering KL University Guntur-522502 Andhra Pradesh	4433620
8	Engineering Sciences	Development of TiO <sub>2</sub> nanotube based highly selective capacitive type sensor device for the detection of methanol poisoning in alcoholic beverages	Dr. Arnab Hazra Department of Electrical And Electronics Engineering Birla Institute of Technology And Science-Pilani Pilani-333031 Rajasthan	2776320
9	Engineering Sciences	3D Bioprinting and multimodal characterization of an in vitro biomimetic liver model	Dr. Falguni Pati Biomedical Engineering Indiana Institute of Technology-Hyderabad Hyderabad-502205 Telangana	3602880
10	Engineering Sciences	Design of voltage-scalable and process variation tolerant standard cell library	Dr. Bishnu Prasad Das Electronica And Communication Engineering Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	2609820
11	Engineering Sciences	Spectrum Awareness and Interference Management in 5G using cognitive Radios	Dr. Sachin Sadanand Chaudhari Signal Processing And Communications Research Center International Institute of Information Technology Hyderabad-500019 Telangana	1826160
12	Engineering Sciences	Aspect-based opinion extraction for automated product comparison	Dr. Pawan Goyal Computer Science And Engineering Indian Institute of Technology-Kharagpur Kharagpur-721302 West Bengal	1844640
13	Engineering Sciences	Friction surfacing for repair of alloy 718 components	Dr. Damodaram R. Department of Mechanical Engineering Sri Sivasubramaniya Nadar College of Engineering Rajiv Gandhi Salai Kanchipuram-603110 Tamilnadu	2789600

14	Engineering Sciences	Fabrication and characterization of porous nano carbon from activated bio waste for tribological and structural applications	Dr. Raghavendra Gujjala Department of Mechanical National Institute of Technology Warangal-506004 Telangana	3710880
15	Engineering Sciences	Novel Flow Blurring injector characterization using point and planar optical diagnostic techniques	Dr. Pankaj Sharadchandra Kolhe Department of Mechanical And Aerospace Engineering Indian Institute of Technology Hyderabad-502205 Telangana	4081440
16	Engineering Sciences	Low Power Analog Front-end ASIC for portable bio-potential acquisition systems	Dr. Sougata Kumar Kar Department of Electronics and Communication Engg. National Institute of Technology-Rourkela Rourkela-769008 Odisha	1846040
17	Engineering Sciences	Controller Optimization for differential-Algebraic systems	Dr. Subashish Datta School of Computing And Electrical Engineering Indian Institute of Technology-Mandi Mandi-175005 Himachal Pradesh	1486080
18	Engineering Sciences	Experimental studies on Swirl-Stabilized turbulent premixed and stratified dimethyl Ether/Air Flames using laser diagnostic techniques	Dr. Saravanan Balusamy Department of Mechanical And Aerospace Engineering Indian Institute of Technology Hyderabad-502205 Telangana	4298400
19	Engineering Sciences	Waste Expanded polystyrene (EPS) beads as column materials for the stabilization of expansive soils in Chennai, Tamilnadu, India	Dr. Soundara Balu Department of Civil Engineering Bannari Amman Institute of Technology Erode-638401 Tamilnadu	2038600
20	Engineering Sciences	Solar Energy Storage using phase change materials for space heating applications	Dr. Pydi Anil Kishan School of Engineering And Technology Indian Institute of Technology-Mandi Mandi-175001 Himachal Pradesh	3119600
21	Engineering Sciences	Investigation of phosphate based oxoanionic cathode materials for economic sodium ion batteries for large scale grid power storage	Dr. Prabeer Barpanda Materials Research Centre Indian Institute of Science Bangalore-560012 Karnataka	4879600

22	Engineering Sciences	Experimental studies in bubble dynamics rising bubble dynamics and characterization of spratys from bubble induced impinging jets	Dr. Badarinath Karri Mechanical And Aerospace Engineering Indian Institute of Technology Hyderabad-502205 Telangana	3526131
23	Engineering Sciences	Development of differential multimodal spectral imaging system to detect foot sole risk areas in diabetic patients	Dr. R. Periyasamy Biomedical Engineering National Institute of Technology Raipur-492010 Chhattisgarh	1834260
24	Engineering Sciences	Low Complexity Architectures and subsequent system on chip design for under determined blind source separation problem	Dr. Amit Acharyya Electrical Engineering Indian Institute of Technology Hyderabad-502205 Telangana	2129600
25	Engineering Sciences	Development And Acoustic testing of Eco friendly porous sound absorbing materials from the agricultural waste	Dr. S. Jeyanthi School of Mechanical And Building Sciences VIT University Chennai-600127 Tamilnadu	1368400
26	Engineering Sciences	Modeling and nonlinear dynamic analysis of wrinkled graphene resonators	Dr. Anand Bhushan Department of Mechanical Engineering National Institute of Technology Patna-800005 Bihar	1292750
27	Engineering Sciences	Investigation into high speed micro grinding process for difficult to machine materials	Dr. Rakesh Mote Department of Mechanical Engineering Indian Institute of Technology-Bombay Mumbai-400076 Maharashtra	3061820
28	Engineering Sciences	Microwave derivedi Bi-modular composite coatings for encountering erosion related problems	Dr. Harpreet Singh Grewal Department of Mechanical Engineering Shiv Nadar University Gautam Buddh Nagar-203207 Uttar Pradesh	3201551
29	Engineering Sciences	Multi Component signal analysis methods in digital holography for precision for precision metrology	Dr. Rajshekhar Gannavarpu Department of Electrical Engineering Indian Institute of Technology-Kanpur Kanpur-208016 Uttar Pradesh	3190960
30	Engineering Sciences	Development of process flow for hybrid thin film transistor	Dr. Suresh Gundapaneni Department of Electrical Engineering Indian Institute of Technology Jodhpur-342011 Rajasthan	5180920

31	Engineering Sciences	Synthesis and characterization of novel ceramic membranes effect for gas separation applications	Dr. Shivendra Kumar Jaiswal Department of Physics National Institute of Technology Patna-800005 Bihar	2437600
32	Engineering Sciences	Green Process Development of green catalyst for the synthesis of glycerol carbonate from waste glycerol	Dr. Subbaramaiah V. Department of Chemical Engineering Malaviya National Institute of Technology Jaipur-302017 Rajasthan	1355700
33	Engineering Sciences	A 94 GHz front End For Passive Millimeter wave imaging with enhanced antenna gain	Dr. Priyanka Mondal Department of Electronics and Communication Engg. National Institute of Technology Patna-800005 Bihar	2074600
34	Engineering Sciences	Chlorine Resistant Nano Enhanced Polymer blend membranes	Dr. Jegatha Nambikrishnan Department of Chemical Engineering Birla Institute of Technology & Science Zuarinagar-403726 Goa	3174281
35	Engineering Sciences	Study of synergistic Use of Hydrogen and other Alternative Fuels in a dual fuel engine for Emissions Reduction	Dr. Atul Dhar School of Engineering Indian Institute of Technology Mandi-175005 Himachal Pradesh	3229600
36	Engineering Sciences	Synthesis of starch based biodegradable functional poly (Meth) Acrylates by Controlled Radical Polymerization	Dr. Dhruva Jyoti Haloi Department of Chemistry Bodoland University Kokrajhar-783370 Assam	3889600
37	Engineering Sciences	Development of adaptive unstructured angular discretisation Grid for the Finite Volume Method of Radiative Transfer Equation For Collimated Beam Radiation	Dr. Pradeep Kumar School of Engineering Indian Institute of Technology Mandi-175001 Himachal Pradesh	2597100
38	Engineering Sciences	Development of secure key management protocols for group communication under active outsider attack model	Dr. Purushothama Byrapura Rangappa Department of Computer Science And Engineering National Institute of Technology Goa-403401 Goa	1410200

39	Engineering Sciences	Digitization of steel microstructure modelling of plain carbon steel microstructure evolution during heat treatment using cellular automata and phase field modeling methods and development of a software tool for providing guidance in designing heat treatm	Dr. Ruchira Naskar Department of Computer Science And Engineering National Institute of Technology Rourkela-769008 Odisha	1854600
40	Engineering Sciences	Investigation seismic source physics inclusion into engineering analysis of built environment	Dr. Surendranadh Somala Department of Civil Engineering Indian Institute of Technology Hyderabad-502205 Telangana	2877600
41	Engineering Sciences	Polarization resolved photodetector using two dimensional valley carriers	Dr. Kaushik Majumdar Department of Electrical Communication Engineering Indian Institute of Science Bangalore-560012 Karnataka	4720351
42	Engineering Sciences	Efficient detection of DDoS application layer attacks	Dr. Balarengadurai Chinnaiah MLR Institute of Technology and Management Hyderabad-500043 Telangana	2624600
43	Engineering Sciences	Well posed formulation and operator splitting techniques for solving large scale rotary flows theoretical and computational studies	Dr. Manoj K. Rajpoot Department of Mathematics And Statistics Rajiv Gandhi Institute of Petroleum Technology Rae Bareli-229316 Uttar Pradesh	2090000
44	Engineering Sciences	A coupled process for simultaneous ethanol and methane production from enzymatically pretreated algal biomass	Dr. Sanjeev Kumar Division of Biotechnology Netaji Subhas Institute of Technology Delhi-110078 Delhi	2349600
45	Engineering Sciences	Development of light weight thermally and electrically conductive high performance microwave radiation absorbing nanowires/polymer nanocomposites materials	Prof. Narayan Chandra Das Indian Institute of Technology Kharagpur-721302 West Bengal	2791800
46	Engineering Sciences	Optimal damping of porous screen in tuned liquid damper structure interaction	Dr. Nasar Thuvanismail Department of Applied Mechanics and Hydraulics National Institute of Technology Bangalore-575025 Karnataka	3267880

47	Engineering Sciences	Systems level modeling of the integrated cell cycle metabolic and redox network to study proliferative diseases	Dr. Vinod P. K. International Institute of Information Technology Hyderabad-500032 Telangana	1662100
48	Engineering Sciences	Soot Particle Number Emission Characterization And Investigation of load Constraints in Reactivity controlled compression ignition (RCCI) Engines	Dr. Rakesh Kumar Maurya School of Mechanical, Materials And Energy Engineering Indian Institute of Technology Ropar-140001 Punjab	4901969
49	Engineering Sciences	Identification and ranking of mineral deposits under high pressure condition using laser induced breakdown spectroscopy technique	Dr. Vajravelu Department of Electrical Engineering Anna University Chennai-600025 Tamilnadu	4879600
50	Engineering Sciences	Investigation on Dymaic response analysis of shallow foundation resting on pond ash deposits	Dr. Supriya Mohanty Department of Earthquake Engineering Research Centre International Institute of Information Technology- Hyderabad Hyderabad-500032 Telangana	3614600
51	Engineering Sciences	Mission Planing using sampline based techniques	Dr. Rahul Kala Indian Institute of Information Technology- Allahabad Allahabad-211012 Uttar Pradesh	3928766
52	Engineering Sciences	Ultrasound assisted biomass derived heterogeneous catalytic system for biodiesel production from non edible oils A sustainable approach	Dr. S. Niju Department of Biotechnology P.S.G College of Technology Coimbatore-641004 Tamilnadu	2047947
53	Engineering Sciences	Fracture failure in hygrothermally degraded composite adhesive joints	Dr. Naresh Varma Datla Department of Mechanical Engineering Indian Institute of Technology-Delhi New Delhi-110016 Delhi	4005690
54	Engineering Sciences	Efficient varification of concurrent programs	Dr. Ashutosh Kumar Gupta Tata Institute of Fundamental Research Mumbai-400005 Maharashtra	2720740
55	Engineering Sciences	Reconnoitering digital image and video history (Origin and tampering) usning intrinsic signature	Dr. Nitin Khanna Department of Electrical Engineering Indian Institute of Technology Ahmedabad-382424 Gujarat	4271760

56	Engineering Sciences	Effect of protrusion on regression rate and combustion instability at varying L/D of hybrid rocket motor	Dr. Rajiv Kumar Department of Space Engineering And Rocketry Birla Institute of Technology Ranchi-825215 Jharkhand	3119600
57	Engineering Sciences	Experimental and numerical studies on undrained pullout capacity and load displacement behaviour of anchor plate granular anchor plate embedded in soft clay nearby clayey slope	Dr. Parmita Bhattacharya Department of Civil Engineering Indian Institute of Technology-Kharagpur Kharagpur-721302 West Bengal	3704540
58	Engineering Sciences	Design and Failure Analysis of cemented acetabular prosthesis	Dr. Rajesh Ghosh School of Engineering Indian Institute of Technology-Mandi Mandi-175005 Himachal Pradesh	1359600
59	Engineering Sciences	Thermal radiation hazard from biofuels pool fires	Dr. Kiriti Bhushan Mishra Department of Mechanical And Industrial Engineering Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	3996300
60	Engineering Sciences	Synchrophaser technology for islanding and restoration of smart distributed generation system	Dr. Premalata Jena Department of Electrical Engineering Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	2143460
61	Engineering Sciences	Cyclic Plastic deformation Behaviour of 304LN austenitic stainless steel at room temperature to 550 deg C	Dr. Amrita Kundu Department of Metallurgical And Materials Engineering Jadavpur University Kolkata-700032 West Bengal	3951675
62	Engineering Sciences	Feature extraction from medical images related to tuberculosis bacilli and study of ADR on quality of TB Patient Life Undergoing short course observed treatment	Dr. Vinit Kumar Gunjan Department of Computer Science & Engineering Annamacharya Institute of Technology And Science Kadapa-516126 Andhra Pradesh	3462480
63	Engineering Sciences	Algorithmic 3D modeling and virtual spatial interactions	Dr. Ojaswa Sharma Department of Computer Science And Engineering Indraprastha Institute of Information Technology New Delhi-110020 Delhi	2721930



64	Engineering Sciences	Numerical Study of coating flows on non-flat discrete objects	Dr. Akhilesh Kumar Sahu Department of Chemical Engineering National Institute of Technology Rourkela-769008 Odisha	2365180
65	Engineering Sciences	An Investigation on solid state transformer	Dr. Avik Bhattacharya Department of Electrical Engineering Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	2481380
66	Engineering Sciences	Photovoltaic based pumping system using multi level inverter	Dr. Sankar Peddapati Department of Electrical And Electronics Engineering Shri Vishnu Engineering College Godavari-534202 Andhra Pradesh	2004970
67	Engineering Sciences	Nonenzymatic aptamer based electrocatalytic biomedical device prototype for diagnostic and therapeutic applications	Dr. Pranjal Chandra Department of Biosciences And Bioengineering Indian Institute of Technology-Guwahati Assam-781039 Guwahati	4714600
68	Engineering Sciences	Full duplex wirelss communication performance analysis and implementation issues	Dr. Prabhat Kumar Sharma Visvesvaraya National Institute Technology Nagpur-440010 Maharashtra	2316170
69	Engineering Sciences	Numerical analysis of blast loading due to explosions in sand	Dr. Syed Nizamuddin Khaderi Department of Mechanical And Aerospace Engineering Indian Institute of Technology Hyderabad-502205 Telangana	2542050
70	Engineering Sciences	Microstructure Engineering to enhance Resistance Against Creep and high Temperature Hot Corrosion in a Ni-based superalloy	Dr. Sumantra Mandal Department of Metallurgical And Materials Engineering Indian Institute of Technology-Kharagpur Kharagpur-721302 West Bengal	4728050
71	Engineering Sciences	Anodic Oxide metal insulator metal capacitors for radio frequency integrated circuits	Dr. Karthik Rajendra MLR Institute of Technology Hyderabad-5000043 Telangana	1821380
72	Engineering Sciences	Electrospun MgO Nanotubes/MgO Carbon Composite fibers with high specific surface area For CO <sub>2</sub> Capture	Dr. Gopi Krishnan Amrita Vishwa Vidyapeetham Kochi-682041 Kerala	3776540

73	Engineering Sciences	Investigating Scalable Algorithms for Some Macro Level Transportation Problems on Graph Based Representation of Road Networks	Dr. Venkata Maruti Gunturi Department of Computer Science And Engineering Indraprastha Institute of Information Technology New Delhi-110020 Delhi	1628170
74	Engineering Sciences	Fabrication of hemo filtration system using novel ceramic membrane to develop a portable artificial kidney	Dr. D. Vasanth Department of Biotechnology National Institute of Technology Raipur-492010 Chhattisgarh	2688800
75	Engineering Sciences	Optimizing Economics of renewable energy using fault tolerant model predictive control (PARAMEDIC)	Dr. Tushar Jain School of Computing And Electrical Engineering Indian Institute of Technology Mandi-175005 Himachal Pradesh	2377100
76	Engineering Sciences	Numerical Investigation of blood flow in healthy and pathological arteries	Dr. Kameswararao Anupindi Department of Mechanical Engineering Indian Institute of Technology Chennai-600036 Tamilnadu	2713650
77	Engineering Sciences	Optimal of thin walled beam/plate structures for maximum elastoplastic buckling load	Dr. Prasun Jana Mechanical Engineering Indian School of Mines Dhanbad-826004 Jharkhand	2008600
78	Engineering Sciences	Condition Monitoring and Damage Assessment during Cryogenic of CFRP for improved surface integrity and functional performance	Dr. ASS Balan School of Mechanical Engineering Vellore Institute of Technology Vellore-632014 Tamilnadu	2341070
79	Engineering Sciences	Design of efficient Algorithms For multiple Choice Resources Allocation Problems	Dr. Aritra Banik Department of Computer Science And Engineering Indian Institute of Technology Jodhpur-342011 Rajasthan	978450
80	Engineering Sciences	Dynamics of moving contact lines and drop impact on dry surfaces	Dr. Harish N. Dixit Mechanical And Aerospace Engineering Indian Institute of Technology Hyderabad-502205 Telangana	3632170
81	Engineering Sciences	Experimental investigation of dissipation associated with fatigue cracking in bituminous mixtures	Dr. Atul Sp Narayan Department of Civil Engineering Indian Institute of Technology Chennai-600036 Tamilnadu	3669600

82	Engineering Sciences	Development of an intelligent Hybrid Driver Hypovigilance System	Dr. Arun Sahayadhas Department of Computer Science And Engineering Vels Institute of Science Technology And Advanced Studies Kanchipuram-600117 Tamilnadu	2507390
83	Engineering Sciences	Modeling and Simulation of bio inspired particle polymer Hybrid Materials Networks	Dr. Balajiyer Vaidyanathanshantha Department of Chemical Engineering Indian Institute of Technology Hyderabad-502205 Telangana	4329600
84	Engineering Sciences	Investigation and characterization of electrical discharge coated (EDU) alloys for mitigation of biological fouling on maritime structures	Dr. Arun I Department of Mechanical Engineering Madanapalle Institute of Technology & Science Chittoor-517325 Andhra Pradesh	3837690
85	Engineering Sciences	Optimization For Virtualized mobile computing systems	Dr. Bijoy Antony Jose Department of Electronics Cochin University of Science And Technology Kochi-682022 Kerala	1712350
86	Engineering Sciences	Synthesis of nano Coated ceramic composite Membrane for Separation of green chemicals from technical lignin	Dr. Anand Kumar Jayapal Department of Chemical Engineering National Institute of Technology Raipur-492010 Chhattisgarh	2535500
87	Engineering Sciences	Modeling and control of the hydraulically actuated ring inlet guide vane of francis turbine by adaptive neural network sliding mode controller design	Dr. Bikash Kr. Sarkar Department of Mechanical Engineering National Institute of Technology Shillong-793003 Meghalaya	3042600
88	Engineering Sciences	Structural response characteristics of CNT reinforced multilayered composite and sandwich plates in hygro thermal environment	Dr. Neeraj Grover Department of Mechanical Engineering Thapar Institute of Engineering & Technology Patiala-147004 Punjab	1904360
89	Engineering Sciences	An Experimental investigation on the instability self organization and micro patterning of blended polymer and nanoparticle incorporated polymer thin film	Dr. Partho Sarathi Goohpattader Department of Chemical Engineering Indian Institute of Technology-Guwahati Guwahati-781039 Assam	4564394

90	Engineering Sciences	Development of new ionic polymer transducer using ionic polymer metal nanocomposites for the enhancement of the sensing performance	Dr. Varij Panwar Department of Electronics & Communication Engineering Graphic Era University Dehradun-248002 Uttarakhand	3777750
91	Engineering Sciences	Performance and energy optimization in many core processors using dynamic cooperation of cache memory, NoC and DRAM controller	Dr. John Jose Department of Computer Science And Engineering Indian Institute of Technology-Guwahati Guwahati-781039 Assam	1970960
92	Engineering Sciences	In Situ nanoscale tribology of lubricated lightweight alloys for automotive engine applications	Dr. Nitya Nand Gosvami Department of Applied Mechanics Indian Institute of Technology-Delhi New Delhi-110016 Delhi	4689760
93	Engineering Sciences	High Resolution range Doppler sonar imaging for underwater surveillance	Dr. Prabhu Babu Applied Research in Electronics Indian Institute of Technology-Delhi New Delhi-110016 Delhi	2783920
94	Engineering Sciences	Smart Surveillance based recognition and prediction of ongoing events in videos using depth information	Dr. Snehasis Mukherjee Indian Institute of Information Technology Chittoor-517588 Andhra Pradesh	1557090
95	Engineering Sciences	Cost Effective combination of T-head groynes for river bank protection	Dr. Hriday Mani Kalita Department of Civil Engineering National Institute of Technology-Meghalaya Shillong-793003 Meghalaya	1916150
96	Engineering Sciences	A novel technology for the treatment of pharmaceutical waste water value added products	Dr. Sivamohanreddy Narapureddy Department of Chemical Engineering Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	3785320
97	Engineering Sciences	Study of road coverage problem in wireless sensor network	Dr. Dinesh Dash Department of Computer Science And Engineering National Institute of Technology Patna-800005 Bihar	742390

98	Engineering Sciences	Periodic Foundations: A new Structural base isolation technique	Dr. Arghadeep Laskar Department of Civil Engineering Indian Institute of Technology-Bombay Mumbai-400076 Maharashtra	2889020
99	Engineering Sciences	On The Reductions of aerofoil turbulence noise by wave edges	Dr. Narayanan Subramanian Department of Mechanical Engineering Indian School of Mines Dhanbad-826004 Jharkhand	3344000
100	Engineering Sciences	Reperformance Evaluation of backfill soils partially replaced with building derived Materials	Dr. Anasua Guharay Department of Civil Engineering Birla Institute of Technology And Science-Pilani Hyderabad-500078 Telangana	2443710
101	Engineering Sciences	Direct fermentation of cellulose and ligninases pretreated cellulosis by recombinant clostridium strain for the butanol a superior alternative fuel	Dr. A.K.R. Gobinath South Asian University New Delhi-110021 Delhi	5060520
102	Engineering Sciences	Thermo mechanical analysis and modeling of forming and welding of thin metal sheets at Micro and Macro scales using continuous and pulsed laser heating	Dr. Kuntal Maji Department of Mechanical Engineering National Institute of Technology-Patna Patna-800005 Bihar	1231950
103	Engineering Sciences	Development a sustainable construction practice to improve the resiliency of embankments of brahmaputra using bio-mediated treatment and its impact on the river bank ecology	Dr. Ravi K. Department of Civil Engineering Indian Institute of Technology-Guwahati Guwahati-781039 Assam	4446670
104	Engineering Sciences	Development of an automated intelligent system to comprehend non communicable autistic expressions	Dr. Shouvik Dey Computer Science And Engineering National Institute of Technology Dimpur-797103 Nagaland	1645600
105	Engineering Sciences	Large scale synthesis of WO <sub>3</sub> -x nanowires for chemiresistive gas sensors	Dr. Ajeet Kumar Srivastav Department of Metallurgical And Materials Engineering Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	3702180

106	Engineering Sciences	Flow and heat transfer over a corrugated tube placed in non newtonian power law fluid in the presence of magnetic field	Dr. Radhe Shyam Department of Chemical Engineering National Institute of Technology Hamirpur-177005 Himachal Pradesh	2149290
107	Engineering Sciences	Implementation of sigma delta modulator using nanowire electrically doped hetero materials tunnel field effect transistor (TFET) For Ultra low power applications	Dr. Dheeraj Sharma Department of Electronics and Communication Engg. Pandit Dwarka Prasad Mishra Indian Institute of Information Technology Design and Manufacturing Jabalpur-482005 Madhya Pradesh	4348980
108	Engineering Sciences	Design and development of energy efficient cryogenic machine facility of heat resistant alloys and carbon fibre composites	Dr. Navneet Khanna Department of Mechanical Engineering Institute of Infrastructure Technology Research and Management Ahmedabad-380026 Gujarat	3779600
109	Engineering Sciences	Microsatellites in human genome development of algorithms and web server for impact analysis of repeats in diseases	Dr. Suresh Babu Mudunuri Information Technology Sagi Ram Rama Krishnam Raju Engineering Collgege Bhimavaram-534204 Andhra Pradesh	2226295
110	Engineering Sciences	Particular matter in North East India Source identification and mitigation strategies	Dr.Sri Harsha Kota Department of Civil Engineering Indian Institute of Technology-Guwahati Guwahati-781039 Assam	2479740
111	Engineering Sciences	Experimental and Modelig studies on the ionic liquid mediated and catalytic conversion of lignocellusic biomass to fuel Products	Dr. Ashwin Pandhari Gaikwad Department of Chemical Engineering Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	2533850
112	Engineering Sciences	Atmorphous metal semiconductor thin film transistor fabrication via solution process and photochemical activation techniques for flexile electronics applications	Dr. Parthiban Shanmugam Flexible Electronics PSG Institute of Advanced Studies Coimbatore-641004 Tamilnadu	4025450

113	Engineering Sciences	Enhanced Automation of 3-Axis CNC Milling Machine using computer vision and Artificial Intelligence	Dr. Pravati Swain Department of Computer Science And Engineering National Institute of Technology Goa-403401 Goa	2322080
114	Engineering Sciences	Fabrication of low cost High Throughput flow cytometer using tunable nanolenses	Dr. Ankur Verma Department of Chemical Engineering Indian Institute of Technology, BHU Varanasi-221005 Uttar Pradesh	5209600
115	Engineering Sciences	Visco-elastic Visco plastic and thixotropic behaviour of biogreases and its influence on lubrication (tribological) performance	Dr. Asima Shaukat Department of Chemical Engineering Birla Institute of Technology & Science Zuarinagar-403726 Goa	5467300
116	Engineering Sciences	A Framework For Synthesizing Robust Motion Primitives For UAVs	Dr. Indranil Saha Department of Computer Science And Engineering Indian Institute of Technology-Kanpur Kanpur-208016 Uttar Pradesh	5247000
117	Engineering Sciences	Development of a Relationship between total and effective impervious area for urban Indian Catchments	Dr. Sanat Nalini Sahoo Department of Civil Engineering National Institute of Technology Rourkela-769008 Odisha	2712600
118	Engineering Sciences	Suspended Functional Magnetic Microparticle array based point of care diagnostic system for multiplexed bio molecular sensing and diagnostic applications	Dr. Prashanth Gr Department of Electrical And Communication Engineering National Institute of Technology Goa-403401 Goa	4262500
119	Engineering Sciences	Design Development And Fabrication of Acoustic Signature based gunshot detection system for sniper using microphone array	Dr. Dibya Prakash Jena National Institute of Technology Rourkela-769008 Odisha	2200000
120	Engineering Sciences	Experimental investigation on the roughness surface wettability coupling in capillary filling in microchannel	Dr. Pranab Kumar Mondal Department of Mechanical Engineering Indian Institute of Technology Assam-781039 Guwahati	4839810

121	Engineering Sciences	Big Video Data Analytics for Surveillance and Security of Bank ATMs in a smart City	Dr. Praveen Kumar Department of Computer Science Engineering Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	2743810
122	Engineering Sciences	Experimental Investigation of temperature dependent parameters in indirect vector control of induction motor And Estimation using FPGA	Dr. Balapanur Mouli Chandra Department of Electrical And Engineering QIS College of Engineering And Technology Ongole-523272 Andhra Pradesh	2415600
123	Engineering Sciences	Investigation in sono photo ferrioxalate system for oxidative desulfurization of liquid fuels	Dr. Sankar Chakma Department of Engineering Sciences Indian Institute of Science Education And Research Bhopal-462023 Madhya Pradesh	2899600
124	Engineering Sciences	Mechanistic insight of shear induced aggregation of proteins and the effect of transition metal ions	Dr. Lalit M. Pandey Department of Biosciences And Bioengineering Indian Institute of Technology Guwahati-781039 Assam	4632100
125	Engineering Sciences	Impact of emulsified drop on a heated substrate	Dr. Deepak Kumar Mandal Department of Mechanical Engineering Indian School of Mines Dhanbad-826004 Jharkhand	2948000
126	Engineering Sciences	Grid interconnection of renewable energy source with improved power quality feature for three phase four wire distribution system	Dr. Dhanavath Suresh Department of Electrical And Electronics Engineering Vignan Institute of Technology Hyderabad-500036 Telangana	3303980
127	Engineering Sciences	In Situ X-ray computed tomography exproation and numerical modeling of fracture mechanisms involved in the failure of interfacial tansion zone of cement concrete	Dr. Rajneesh Sharma School of Engineering Indian Institute of Technology Mandi-175005 Himachal Pradesh	3724600
128	Engineering Sciences	Development of flexible supercapacitors for flexible and warable electronics	Dr. Kapil Pareek Centre For Energy And Environment Malviya National Institute of Technology Jaipur-302017 Rajasthan	4039940



129	Engineering Sciences	Development of conformal liquid crystal polymer based reconfigurable antenna for vehicular band applications	Dr. Madhav Btp KL University Vijayawada-522502 Andhra Pradesh	4301510
130	Engineering Sciences	Hydrogen storage in mesoporous polymer deived ceramics for automotive applications	Dr. Sujith R. Department of Mechanical Engineering Birla Institute of Technology And Science Hyderabad-500078 Telangana	4238240
131	Engineering Sciences	Scalable and Roboust deep learing models for complex staistical networks	Dr. Piyush Rai Department of Computer Science And Engineering Indian Institute of Technology Kanpur-208016 Uttar Pradesh	3790490
132	Engineering Sciences	Design And implementation of an inverter for a grid connected photovoltaic system which is a part of Virtual power Plant	Dr. SreeRaj E.S Department Electrical And Electronics Engineering National Institute of Technology Goa-403401 Goa	3368650
133	Engineering Sciences	Investigation of heat transfer enhancement in some novel geometries using nanofluids for electronic cooling application	Dr. Pawan Kumar Singh Department of Mechanical Engineering Indian School of Mines Dhanbad-826004 Jharkhand	3322300
134	Engineering Sciences	Fault Tolerat Control of permanent magnet synchronous motor drive in electric vehichles	Dr. Vimlesh Verma Department of Electrical Engineering National Institute of Technology Patna-800005 Bihar	2945180
135	Engineering Sciences	Development of a high throughput processing route for CIGS PV Absorber films by spray pyrolysis of pre synthesised nanoparticles Ink	Dr. Mohammad Imteyaz Ahmad Department of Ceramic Engineering Indian Institute of Technology Varanasi-221005 Uttar Pradesh	4603010
136	Engineering Sciences	Novel Cooling Techiques and materials for a reliable and efficient solar energy harvester	Dr Karthik Balasubramanian Department of Mechanical Engineering National Institute of Technology Warangal-506004 Telangana	2365000
137	Engineering Sciences	Bio Inspired Drag Reduction of low reynolds number flyers	Dr. Sandeep Saha Department of Aerospace Engineering Indian Institute of Technology Khagarpur-721302 West Bengal	2651000

138	Engineering Sciences	Design of CNT based TSVs for a realistic 3D integrated circuits	Dr. Ramesh Kumar Vobulapuram Department of Electronics and Communication Engg. KL University Vijayawada-522502 Andhra Pradesh	3960990
139	Engineering Sciences	Characterization of strain induced Behaviours of Electro active polymers (EAP) for sensor and actuator Applications	Dr. Raj Kumar Sahu Department of Mechanical Engineering National Institute of Technology Raipur-492010 Chhattisgarh	3152600
140	Engineering Sciences	A Plug And Play Framework For Phylogenetic Database with semantic web extension	Dr. Akshay Deepak Computer Science And Engineering National Institute of Technology Patna-800005 Bihar	1359600
141	Engineering Sciences	Role of Camera motion cue in determining visual saliency and its applications to surveillance using TTs DaVinci vision board	Dr. Manish Okade Department of Electronics and Communication Engg. National Institute of Technology Rourkela-769008 Odisha	2272230
142	Engineering Sciences	Conjugate heat transfer study of tubulent plane jet impinging onto a moving flat plate at inclined angle	Dr. Devendra Kumar Patel School of Mechanical Engineering Vellore Institute of Technology Vellore-632014 Tamilnadu	1773660
143	Engineering Sciences	Numerical And Experimental Investigation of water movement under heterogeneous conditions in unsaturated soils	Dr. Richa Ojha Department of Civil Engineering Indian Institute of Technology Kanpur-208016 Uttar Pradesh	5384020
144	Engineering Sciences	Development and perfoamance Evaluation of high efficient solar hot fluid generation (100-120 oC) based dryer for agro industrial applications	Dr. Siva Reddy V. Rajeev Gandhi Memorial College of Engineering & Technology Kurnool-518501 Andhra Pradesh	2598030
145	Engineering Sciences	Implication of Co-Composting of Faecal rich sewage sludge on soil carbon and nitrogen Dynamics in a Sugarcane mon cultured land in Tamilnadu	Dr. Vasudevan Mangottiri Department of Civil Engineering Bannari Amman Institute of Technology Erode-638401 Tamilnadu	3395780

146	Engineering Sciences	Dropwise Condensation of Vapor From Moist Air On Mesh Like Surfaces	Dr. Basant Singh Sikarwar Department of Mechanical Engineering Amity University Noida-201303 Uttar Pradesh	4058180
147	Engineering Sciences	Active Multi Sensor Signal Processing For Surveillance And Exploration	Dr. Debashis Sen Department of Electronics And Electrical Communication Engineering Indian Institute of Technology Khagarpur-721302 West Bengal	3996714
148	Engineering Sciences	Diesel engine Emission Control using Electrical Discharge based Technique For Clean Environment A Non Conventional Approach	Dr. Sankarsan Mohapatro School of Electrical Sciences Indian Institute of Technology Bhubneshwar-751013 Odisha	5258000
149	Engineering Sciences	Experimental and Numerical Investigation on Enhanced nitrate Contamination in Groundwater from wastewater applied agricultural field in the presence of collidal particles	Dr. Berlin Mohanadhas Department of Civil Engineering National Institute of Technology Papumare-791111 Arunachal pradesh	3612070
150	Engineering Sciences	Development of Ni-P/hBN/Ag composite coatings using electroless plating method for high temperature tribological applications	Dr. RaviKumar Dumpala Department of Mechanical Engineering Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	3553960
151	Engineering Sciences	A Simlex Network-Cell Approach to study failure mechanisms in Granular Materials	Dr. Jagan Mohan Padbidri School of Engineering Sciences Mahindra Ecole Entrale Hyderabad-500043 Telangana	2894920
152	Engineering Sciences	Model Based Optimal design and fabrication of lithium-ion coin cells using spent battery	Dr. Ravi Namdeo Methekar Department of Chemical Engineering National Institute of Technology Nagpur-440010 Maharashtra	3364060
153	Engineering Sciences	High Sensitive MEMS Piezoreistive Microcantilever sensor	Dr. Mohd Zahid Ansari Department of Mechanical Engineering Pandit Dwarka Prasad Mishra Indian Institute of Information Technology Design and Manufacturing Jabalpur-482005 Madhya Pradesh	3017300

154	Engineering Sciences	Development of nanostructured magnetic materials based absorbent for the removal of fluoride from water	Dr. Arup Roy Xavier University Puri-752050 Odisha	3676200
155	Engineering Sciences	Corrosion behavior of novel Mg-4wt%Y-4wt%Zn-0.2wt%Zr alloys in NaCl and Na <sub>2</sub> SO <sub>4</sub> aqueous solution developed by permanent mold gravity casting	Dr. Partha Saha Department of Ceramic Engineering National Institute of Technology Rourkela-769008 Odisha	5289070
156	Engineering Sciences	Radon Exhalation and its Control in Indian underground uranium mines	Dr. Patitapaban Sahu Department of Mining Engineering Indian School of Mines Dhanbad-826004 Jharkhand	4621070
157	Engineering Sciences	Higher Order DC-DC Converters For power Management of DC nano Grid in Futuristic smart Buildings	Dr. Anmol Ratna Saxena Department of Electrical And Electronics Engineering National Institute of Technology Delhi-110040 Delhi	4698100
158	Engineering Sciences	CoNverged green broadband accEss (CONE)	Dr. Abhishek Dixit Department of Electrical Indian Institute of Technology New Delhi-110016 Delhi	3337440
159	Engineering Sciences	Performance Modeling of a combined System of phycoremediation with a fixed film bioreactor for the treatment of Dairy industry waste water	Dr. Sunita Adhikari Nee Pramanik Department of Food Technology & Biochemical Engineering Jadavpur University Kolkata-700032 West Bengal	4292440
160	Engineering Sciences	Design Development And Implementation of Networked Reconfigurable in Pipe Robots for inspection and Scavenging Applications	Dr. Satheesh Kumar Gopal Department of Mechanical Engineering SSN College of Engineering Kalpakkam-603110 Tamilnadu	4027100
161	Engineering Sciences	An Energy organics and nutrient removal from sewage by UASB-Anammox process a Novel engineering paradigm for energy conservation	Dr. Abid Khan Department of Civil Engineering Jamia Millia Islamia New Delhi-110025 Delhi	4237860
162	Engineering Sciences	Flexible Color Tunable Hybrid Organic Inorganic Quantum Dot-Light Emitting Devices	Dr. Brijesh Kumar Department of Electronics and Communication Engg. Indian Institute of Technology Roorkee-247667 Uttarakhand	4281200

163	Engineering Sciences	Combined pressure and vibration sensing to decode otoacoustic emissions	Dr. Sripriya Ramamoorthy Department of Mechanical Engineering Indian Institute of Technology Mumbai-400076 Maharashtra	4282410
164	Engineering Sciences	Real Time URL Based web page filtering and monitoring system a machine learning approach	Dr. R. Rajalakshmi Department of Information Technology VIT University Chennai-600127 Tamilnadu	1723900
165	Engineering Sciences	Understanding the influence of microstructure grain boundary character and crystallographic texture on the fracture toughness and fatigue crack growth rate behavior of ultra fine grained magnesium alloys	Dr. Somjeet Biswas Department of Metallurgical And Materials Engineering Indian Institute of Technology Khagarpur-721302 West Bengal	5498900
166	Engineering Sciences	Preparation and Characterization of rare earth ions doped oxide fluoride and Oxy fluoride glasses/Glassy ceramics for fiber lasers and optical fiber amplifiers	Dr. Mahamuda Shaik Department of Electronics and Communication Engg. Koneru Lakshmaiah Education Foundation Guntur-522502 Andhra Pradesh	5203630
167	Engineering Sciences	Development of low Cost Flexible Biosensors	Dr. Gaurav Saxena Department of Electronics And Communication Indian Institute of Information Technology Guwahati-781001 Assam	3218600
168	Engineering Sciences	A 3-D mineral surveyor using prompt gamma neutron activation analysis	Prof. Shikha Prasad Department of Mechanical Engineering Indian Institute of Technology Kanpur-208016 Uttar Pradesh	3944600
169	Engineering Sciences	Preparation of graphene supported sand nanocomposites for the treatment of water and wastewater	Dr. Boopathy Ramasamy Department of Environmental & Sustainability Institute of Minerals & Materials Technology Bhubneshwar-751013 Odisha	2817100
170	Engineering Sciences	Stability analysis of reinforced soil wall under seismic loads a novel approach	Dr. Shantanu Patra Department of Civil Engineering National Institute of Technology Rourkela-769008 Odisha	4034270

171	Engineering Sciences	Development of an advanced system on chip (SoC) based embedded controller for power electronic converters	Dr. Kaushik Basu Department of Electrical Engineering Indian Institute of Science Bangalore-560012 Karnataka	4409290
172	Engineering Sciences	Fiezo and Pyroelectric flexible nanogeneration for energy harvesting and self powered sensor applications	Dr. Rakesh Kumar Rajaboina Department of Engineering Physics GITAM University Visakhapatnam-530045 Andhra Pradesh	2897590
173	Engineering Sciences	Medium and high prequency Noise reduction in a vibro acoustic cavity using radiatorer geometry	Dr. Chintapalli Vsn Reddi Department of Mechanical Engineering Vignans Institute of Information Technology Visakhapatnam-530049 Andhra Pradesh	3603600
174	Engineering Sciences	Development of low cost aero generator for commercial and industrial applications	Dr. Suresh V. Chintalapudi Department of Electrical And Electronics Engineering Vasireddy Venkatadri Institute of Technology Guntur-522508 Andhra Pradesh	3119600
175	Engineering Sciences	Engineered Biomietic cellulose nano scaffold for skin and bone replacement	Dr. Prosenjit Saha Indian Institute of Engineering Science And Technology Howrah-711103 West Bengal	4219530
176	Engineering Sciences	Development of pneumatically actuated walking bipedal robot	Dr. Ganeshthangaraj Ponniah Department of Mechanical Engineering Shiv Nadar University Gautam Buddha Nagar-203207 Uttar Pradesh	3037220
177	Engineering Sciences	Design Manufacturing and microstructural analysis of novel hard coatings on titanium produced by weld deposition techniques	Dr. Subhradeep Chatterjee Department of Materials Science And Engineering Indian Institute of Technology Hyderabad-502205 Telangana	4404360
178	Engineering Sciences	Development of peptide functionalized gold nanoparticles for efficient targeting and imaging of urokinase plasminogen activator receptor (uPAR) in cancer diagnostics	Dr. Sonu Gandhi Amity University Noida-201303 Uttar Pradesh	3504600

179	Engineering Sciences	Novel synthesis and formability of ultrafine grained Ti-46Al-1B(at%)alloy	Dr. Vijay Navaratna Nadakuduru Department of Metallurgical And Materials Engineering Malviya National Institute of Technology Jaipur-302017 Rajasthan	3643020
180	Engineering Sciences	Secure vehicular communication and routing in future intelligent transportation systems (ITS)	Dr. Debasis Das Birla Institute of Technology And Science-Pilani Zuarinagar-403726 Goa	1981100
181	Engineering Sciences	Design Fabrication and Characterization of mems bio sensor for detection of cholera and diarrhea	Dr. Srinivasarao Karumuri Department of Electronics And Communication Engineering KL University Vijayawada-522502 Andhra Pradesh	3155690
182	Engineering Sciences	Investigation of reduction roasting and microwave roasting for banded iron ores	Dr. Nikhil Dhawan Department of Metallurgical And Materials Engineering Indian Institute of Technology Roorkee-247667 Uttarakhand	2530000
183	Engineering Sciences	Multimodal methods and system for vision and labguage	Dr. Gaurav Sharma Department of Computer Science And Engineering Indian Institute of Technology Kanpur-208016 Uttar Pradesh	2853730
184	Engineering Sciences	Investigation on spary and combustion characteristics of n-Butanol and butyl butyrate for their application as potential aviation fuels	Dr. Srinibas Karmakar Department of Aerospace Engineering Indian Institute of Technology Kharagpur-721302 West Bengal	2963230
185	Engineering Sciences	Sustainability and composition based evaluation of biofuel energy resources	Dr. Thangaraja Jeyaseelan Department of Mechanical Vellore Institute of Technology Chennai-632014 Tamilnadu	1993750
186	Engineering Sciences	Towards predictive modeling of oxidation of Nanoaluminum particles-A multiscale Approach	Dr. Dilipsrinivas Sundaram Department of Mechanical Engineering Indian Institute of Technology Gandhinagar-382424 Gujarat	2793350
187	Engineering Sciences	Theoretical Modeling and Experimental Investigation of Nanofluid-based volumetric absorption concentrating solar collector	Dr. Vikrant Khullar Department of Mechanical Engineering Thapar Institute of Engineering & Technology Patiala-147004 Punjab	2491720

188	Engineering Sciences	Wearable circular antennas for military personal applications	Dr. Rama Sanjeeva Reddy Department of Electronics And Communication BV Raju Institute of Technology Narsapur-502313 Andhra Pradesh	4489610
189	Engineering Sciences	Design and development of three axis flexural stages for micro milling workstation	Dr. Kiran Suresh Bhole Department of Mechanical Engineering Sardar Patel College of Engineering Mumbai-400058 Maharashtra	1992120
190	Engineering Sciences	Low Temperature CMOS Compatible photonic integrated circuit platform	Dr. Shankarkumar Selvaraja Indian Institute of Science Bangalore-560012 Karnataka	5278670
191	Engineering Sciences	Minimization of storage requirements in renewable rich smart microgrid through coordinated control of resources	Dr. Chandrasekhar Perumalla Department of Electrical Engineering National Institute of Technology Warangal-506004 Telangana	5039350
192	Engineering Sciences	Low Latency Network Architecture and protocols for 5G systems and IoT	Dr. Antony Franklin Department of Computer Science And Engineering Indian Institute of Technology Hyderabad-502205 Telangana	3339600
193	Engineering Sciences	All Solution transparent low temperature synthesized indium zinc Tin Oxide based high performance thin film transistors for active matrix displays	Dr. Saumen Mandal Department of Metallurgical And Materials Engineering National Institute of Technology Mangalore-575025 Karnataka	1980000
194	Engineering Sciences	Design and implementation of codes for distributed storage and distributed computing	Dr. Lalitha Vadlamani Signal Processing And Communication Research Centre International Institute of Information Technology Hyderabad-500032 Telangana	3639710
195	Engineering Sciences	Investigation and development of cost effective solid electrolytes for intermediated temperature solid oxide fuel cells	Dr. Raghuvendra Pandey Department of Physics Atma Ram Sanatan Dharam College, University of Delhi New Delhi-110021 Delhi	2932600
196	Engineering Sciences	Design and implementation of high speed low power embedded signal processor based custom power devices for power quality Improvement	Dr. Srinivas Bhaskar Karanki School of Electrical Sciences Indian Institute of Technology Bhubneshwar-751013 Odisha	3299700



197	Engineering Sciences	Atmoistically informed mesoscale crystal plasticity modeling of HCP metals	Prof. Alankar Alankar Department of Mechanical Engineering Indian Institute of Technology Mumbai-400076 Maharashtra	3960000
198	Engineering Sciences	Dynamics and stability of circular sawing experimental characterization modelling and control	Dr. Mohit Law Department of Mechanical Engineering Indian Institute of Technology Kanpur-208016 Uttar Pradesh	4494560
199	Engineering Sciences	Quaternion based leader follower robust tracking control of an industrial robot using an anthropomorphic arm	Dr. Harshal Bhuvanesh Oza Department of Mechanical Engineering Ahmedabad University Ahmedabad-380009 Gujarat	3225880
200	Engineering Sciences	Design of high rate index codes (with applications to network information flow)	Dr. Prasad Krishnan International Institute of Information Technology Hyderabad-500032 Telangana	3217740
201	Engineering Sciences	Direct Injection compressed Natural gas fuelled engine and its performance combustion and emissions characterization	Dr. Dhananjay Kumar Srivastava Department of Mechanical Indian Institute of Technology Kharagpur-721302 West Bengal	3019080
202	Engineering Sciences	Development of anisotropic magnetic nanostructured materials for hyperthermia	Dr. Niroj Kumar Sahu VIT University Vellore-632014 Tamilnadu	4218810
203	Engineering Sciences	Design and development of a photovoltaic thermoelectric hybrid energy system	Dr. Lalat Indu Giri Department of Electroics and Communication Engineering National Institute of Technology Goa-403401 Goa	3724600
204	Engineering Sciences	Numerical and experimental investigation of effect of thermally significant blood vassels during laser assisted thermal therapy	Dr. Anup Paul Department of Mechanical Engineering National Institute of Technology Papumpare-791111 Arunachal Pradesh	2999632
205	Engineering Sciences	Thermo-hydrodynamics of evaporating meniscus of conventional fluid and ferrofluids under externally imposed magnetic field inside heated mini-channels	Dr. Balkrishna Mehta Department of Mechanical Engineering Indian Institute of Technology Guwahati-781039 Assam	4492990

206	Engineering Sciences	MonitAir: An IoT based Air Pollution monitoring system	Dr. S. Mini Department of Computer Science And Engineering National Institute of Technology Goa-403401 Goa	2219320
207	Engineering Sciences	Lead Free piezoelectrics for high temperature electromechanical applications	Dr. Supratim Mitra Department of Natural Sciences NIIT University Alwar-301705 Rajasthan	3471470
208	Engineering Sciences	Strain Evolution during thermo-mechanical loading of a crack in a microstructure engineered NiTi based shape memory alloy using digital image correlation and electron back	Dr. Suresh K. S. Department of Metallurgical Materials Engineering Indian Institute of Technology Roorkee-247667 Uttarakhand	4988530
209	Engineering Sciences	DigiCert:Data Security in Federated DigiCloud Environment using Homomorphic Technique	Dr. Anitha R. Department of Computer Science And Engineering Sri Venkateswara College of Engineering Kanchipuram-602117 Tamilnadu	2097660
210	Engineering Sciences	Improving Bio-engineering strategies to achieve soil stability	Dr. Kala Venkata Uday School of Engineering Indian Institute of Technology Mandi-175005 Himachal Pradesh	5133040
211	Engineering Sciences	Micromachined Ultrasonic transducer arrays for next generation ultrasound systems	Dr. Sivaramakrishna Vanjari Department of Electrical Engineering Indian Institute of Technology Hyderabad-502205 Telangana	5094800
212	Engineering Sciences	Selective gas detection and protection of sensing layer in harsh environments using silicon containing polymer derived ceramic filters	Dr. Ravi Mohan Prasad School of Mechanical and Energy Engineering Indian Institute of Tehnology Ropar-140001 Punjab	4257170
213	Engineering Sciences	Indian Sign Language to spoken language translator using data from wearbale multi sensor armbands	Dr. Rinki Gupta Department of Electronics and Communication Engineering Amity University Noida-201313 Uttar Pradesh	2581350

214	Engineering Sciences	Si/ZnMgO/PEDOT:PC61 BM hybrid bulk heterojunction (BHJ) architecture based organic solar cell Efficiency enhancement approach through the optical structure modification	Dr. Santanu Maity National Institute of Technology Pupumare-791111 Arunachal Pradesh	1909600
215	Engineering Sciences	Seamless multihop communication for road traffic control in vehicular networks (Smart-VAN)	Dr. Hrishikesh Venkataraman Department of Information Technology Indian Institute of Information Technology Chittoor-517588 Andhra Pradesh	1219130
216	Engineering Sciences	Condition Assessment & Reliability of existing bridges (Indian Railway & Other) in North East India Due to Earthquake and deterioration hazards	Dr. Arjun Sil Department of Civil Engineering National Institute of Technology Silchar-788010 Assam	1909600
217	Engineering Sciences	Experimental investigation on surface topography in micro milling of new Ti-Nb-Ta based alloys for biocompatibility in medical implants	Dr. S.P.Leo Kumar Department of Production Engineering PSG College of Technology Coimbatore-641004 Tamilnadu	2663100
218	Engineering Sciences	Development of fluid interaction (FSI) solver for cardiovascular disease: An Aneurysm	Dr. Trushar Bhikhbhai Gohil Department of Mechanical Engineering Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	2619430
219	Engineering Sciences	Thermal Detection of malignancy and estimation of its properties in a human breast	Dr. Koushik Das Department of Mechanical Engineering National Institute of Technology Shillong-793003 Meghalaya	1776390
220	Engineering Sciences	Three dimensional monte carlo simulations for photoacoustic tomography using graphics processing units	Dr. Saurabh Gupta Department of Biomedical Engineering National Institute of Technology Chhattisgarh-492010 Chhattisgarh	2019330
221	Engineering Sciences	Electroencephalogram signal analysis during locomotion in different terrains and the transitions A neurophysiological study	Dr. Deepak Joshi Department of Centre for Biomedical Engineering Indian Institute of Technology Delhi-110016 Delhi	4176150

222	Engineering Sciences	Characterization of blast load structures in dense urban environment	Dr. Manish Kumar Department of Civil Engineering Indian Institute of Technology Mumbai-400076 Maharashtra	1864200
223	Engineering Sciences	UCMA: A Toolset to automatically analyze functional requirements specified in the use cases	Dr. Saurabh Tiwari Department of Information and Communication Technology Dhirubhai Ambani Institute of Information and Communication Technology Gandhi Nagar-382007 Gujarat	965690
224	Engineering Sciences	Development of a bandwidth based handoff algorithm for 4G/5G heterogeneous wireless networks	Dr. Neeraj Sajja Department of Electronics And Communication Engineering GITAM University Visakhapatnam-530045 Andhra Pradesh	2404600
225	Engineering Sciences	Investigation on wire electrical discharge mechining (WEDM) of low conductive materials	Dr. G. Selvakumar Department of Mechanical Engineering SSN College of Engineering Kalpakkam-603110 Tamilnadu	3192620
226	Engineering Sciences	Development of a novel wearable cable driven leg exoskeleton for robotic neurorehabilitation	Dr. Vineet Vashista Department of Mechanical Engineering Indian Institute of Technology Ahmedabad-382424 Gujarat	3307880
227	Engineering Sciences	Ultrasonic wave based detection and quantification of damages in structures using a machine learning approach	Dr. Mohammed Rabius Sunny Department of Aerospace Engineering Indian Institute of Technology Kharagpur-721302 West Bengal	3379670
228	Engineering Sciences	Computational Investigation of fluid slip in nanoscale channels	Dr. Jeetu S. Babu Department of Mechanical Engineering Amrita Vishwa Vidyapeetham Kollam-690525 Kerala	1731050
229	Engineering Sciences	Combustion analysis of ammonium perchlorate based propellants using detailed chemical kinetics	Dr. Neeraj Ratnakar Kumbhakarna Department of Mechanical Engineering Indian Institute of Technology Mumbai-400076 Maharashtra	3006190

230	Engineering Sciences	Effective social intelligent system for big data sentiment analysis	Dr. Kypa Rajendra Prasad Department of Computer Science And Engineering Institute of Aeronautical Engineering Hyderabad-500043 Telangana	3700340
231	Engineering Sciences	Modelling and investigation on deposition process of lubricant surface using electrical discharge machining process	Dr. Giridharan Abimannan School of Mechanical And Building Sciences VIT University Chennai-600127 Tamilnadu	2062500
232	Engineering Sciences	Numerical modeling simulations and experimental investigation to improve the surface tribological properties of Ti-6Al-4V through developing wire electrical discharge alloying	Dr. Basil Kuriachen Department of Mechanical Engineering National Institute of Technology Aizwal-796012 Mizoram	2294600
233	Engineering Sciences	Active vibration control of smart composite and sandwich in hygro thermal environment	Dr. Rosalin Sahoo Department of Civil Engineering Malviya National Institute of Technology Jaipur-302017 Rajasthan	1908940
234	Engineering Sciences	Development of machine learning algorithms for detection of impact analysis of brain tumor in human brain	Dr. Hemalatha Indukuri Department of Information Technology Sagi Ramakrishnam Raju Engineering College Bhimavaram-534204 Andhra Pradesh	2906400
235	Engineering Sciences	Facile nano engineered polyurethane nanofiber incorporating titanium dioxide (TiO <sub>2</sub> ) and silver (Ag) nanoparticles towards guided bone tissue regeneration	Dr. Faheem A Sheikh Department of Nanotechnology Kashmir University Jammu-190006 Jammu & Kashmir	4105470
236	Engineering Sciences	Development of carbon nanotubes from biomass for the recovery and reuses of heavy metals	Dr. Helenkalavathy Meyyappan Department of Chemical Engineering Anna University Chennai-600025 Tamilnadu	1900190
237	Engineering Sciences	Numerical Study on Electrokinetic flow through polyelectrolyte coated nanopore	Dr. Subrata Bera Department of Mathematics National Institute of Technology Silchar-788010 Assam	2547140

238	Engineering Sciences	Friction stir welding of dissimilar heat treatable aluminium alloys	Dr. Vikas Upadhyay Department of Mechanical Engineering National Institute of Technology Patna-800005 Bihar	841090
239	Engineering Sciences	Spatial decision support system for select smart cities in India using nature inspired techniques	Dr. Bharath Haridas Aithal Indian Institute of Technology Kharagpur-721302 West Bengal	2531100
240	Engineering Sciences	Graphene oxide based nanocomposite films for food packaging applications	Dr. Arunkumar Panneerselvam Department of Food Packaging Technology Central Food Technological Research Institute Mysore-570020 Karnataka	5244520
241	Engineering Sciences	An openCL runtime system for scheduling data parallel workloads on heterogeneous clusters	Dr. Soumyaajit Dey Department of Computer Science And Engineering Indian Institute of Technology Kharagpur-721302 West Bengal	5189250
242	Engineering Sciences	Effect of perforation and corrugation on the nonlinear flexural and vibration behaviour of heated layered/Graded composite panels under various loading/support conditions	Dr. Vishesh Ranjan Kar School of Mechanical Engineering VIT University Vellore-602014 Tamilnadu	1151700
243	Engineering Sciences	Development of self healing polymer nanocomposites based on functionalized nanofillers	Dr. Sravendra Rana University of Petroleum And Energy Studies Dehradun-248007 Uttarakhand	5489730
244	Engineering Sciences	Transformation of agro residue rice straw into downstream dicarboxylic acids precursor for bioplastics with nanoparticle encapsulated zeolites	Dr. Saravanamurugan Shunmugavel Centre of Innovative And Applied Bioprocessing Mohali-160071 Punjab	3321660
245	Engineering Sciences	Analysis and design and algorithms for LDPC decoders	Dr. Michalraj Kingston R. Department of Telecommunication Engineering BMS College of Engineering Bangalore-560019 Karnataka	1606000

246	Engineering Sciences	Development of telefactring based distributed manufacturing support system for optimal manufacturing service for indian small and medium scale enterprises	Dr. Manupati Vijaya Kumar Department of Mechanical Engineering VIT University Vellore-632014 Tamilnadu	1359600
247	Engineering Sciences	Design and development of an automatic kinship verification system for Indian faces with possible integration of AADHAR database	Dr. Toshnalal Meenpal Department of Electronics & Telecommunication National Institute of Technology Raipur-492010 Chhattisgrah	2137500
248	Engineering Sciences	Design and implementation of multiple strategies to identify handwritten forgery activities in legal documents	Dr. Soumen Bag Department of Computer Science And Engineering Indian Institute of Technology Dhanbad-826004 Jharkhand	1425580
249	Engineering Sciences	A companion type assistive system for elderly people using VLSI based service robot	Dr. Chinnaiah M C. BV Raju Institute of Technology Narsapur-502313 Andhra Pradesh	4943840
250	Engineering Sciences	Multi purpose multi reservoir operation and planning using Jaya algorithm for equithm for equitable water distribution within upper godavari basin	Dr. Ashwini Baswaraj Mirajkar Department of Civil Engineering Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	1593900
251	Engineering Sciences	Virtual full duplex relaying for cellular network using half duplex relays	Dr. Rohit Budhiraja Department of Electrical Indian Institute of Technology Kanpur-208016 Uttar Pradesh	4877030
252	Engineering Sciences	Development of lanthana (La2P3) based ODS steels for nuclear reactor application	Dr. Sudhanshu Shekhar Singh Department of Materials Science and Engineering Indian Institute of Technology Kanpur-208016 Uttar Pradesh	4757510
253	Engineering Sciences	Real Time Disaster management uisng ADHOC sensor networks	Dr. Nagalakshmi Malempati MLR Institute of Technology Hyderabad-500043 Telangana	2954880
254	Engineering Sciences	Title Missing	Dr. Kishor Kumar Puli National Institute of Technology Patna-800005 Bihar	2107030
255	Engineering Sciences	Title Missing	Dr. Kautubha Sunil Rane Indian Institute of Technology Gandhinagar-382424 Gujarat	4425480

256	Engineering Sciences	Development of a portable electronic tongue for estimation of tea quality and spoilage detection of food samples	Dr. Arunangshu Ghosh Department of Electrical Engineering National Institute of Technology Patna-800005 Bihar	1595000
257	Engineering Sciences	Development of low cost biodegradable plastic from Indian agricultural food processing starch wastes for food packaging and other value added applications	Dr. Jayaramudu Jarugala Department of Chemical and Physical Indian Rubber Manufacturers Research Association Thane-400604 Maharashtra	2827820
258	Engineering Sciences	Investigation of rheological and mechanical performance of bio oil modified asphalt binder and mixes	Dr. Dharamveer Singh Department of Civil Engineering Indian Institute of Technology Mumbai-400076 Maharashtra	4390100
259	Engineering Sciences	A unified virtual power decoupling method for drop controlled parallel inverters in microgrids under complex load conditions	Dr. Pudi Shekhar Department of Electrical And Electronics Engineering Vignans Institute of Information Technology Vishakhapatnam-530049 Andhra Pradesh	3096410
260	Engineering Sciences	Investigation of tunnel field effect transistors for energy efficient circuits	Dr. Sneha Saurabh Department of Electronics and Communication Engineering Indraprastha Institute of Information Technology Delhi-110020 Delhi	4173990
261	Engineering Sciences	Site Classification scheme and amplification factors for Indian seismic design code	Dr. Shrabony Adhikary Department of Civil Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	3132050
262	Engineering Sciences	Analysis design and control of active magnetic bearing for high speed application	Dr. Pabitra Kumar Biswas Department of Electrical Electronics & Instrumentation Engineering National Institute of Technology Aizwal-796012 Mizoram	1572800
263	Engineering Sciences	Ex Vivo partial liver organ development by using stem cells and tissue engineering approaches	Dr. Prakash Baligar Department of Stem Cell Science and Technology Amity University Noida-201313 Uttar Pradesh	4767850



264	Engineering Sciences	Tunable phononic materials for low frequency band gap using computational and experimental approaches	Dr. Siladitya Pal Department of Mechanical and Industrial Engineering Indian Institute of Technology Roorkee-247667 Uttarakhand	3893650
265	Engineering Sciences	Improved PHY and MAC strategies for M2M communication in smart grid over wireless and PLC heterogeneous network	Dr. Ankit Dubey Department of Electronics and Communication Engineering National Institute of Technology Goa-403401 Goa	3890650
266	Engineering Sciences	Adaptive learning models for land cover classification with application in remote sensing based monitoring of agriculture and forestry	Dr. Moumita Roy Department of Computer Science And Engineering Indian Institute of Information Technology Guwahati-781001 Assam	1628000
267	Engineering Sciences	Computational study to investigate the migration and interactions of droplets in fibrous media	Dr. Syed Mohd Yahya Department of Mechanical Engineering Aligarh Muslim University Aligarh-202002 Uttar Pradesh	3141600
268	Engineering Sciences	Non-Convex optimization techniques for large scale machine learning problems	Dr. Dinesh Garg Department of Computer Science & Engineering Indian Institute of Technology Gandhinagar-382424 Gujarat	2348280
269	Engineering Sciences	Seismic fragility analysis of highway bridge piers considering design code evolution and improved deterioration modelling	Prof. Jayaditya Ghosh Department of Civil Engineering Indian Institute of Technology Mumbai-400076 Maharashtra	2399100
270	Engineering Sciences	Performance evaluation of forward osmosis membrane system for application within the agricultural and textile industries	Dr. Manoj Chandra Garg Amity University Noida-201303 Uttar Pradesh	3156290
271	Engineering Sciences	Noise Enhanced Edge preserving image denoising using stochastic resonance	Dr. Rajlaxmi Chouhan Department of Electrical Engineering Indian Institute of Technology Jodhpur-342011 Rajasthan	2664580
272	Engineering Sciences	Strategies for fault tolerant network on chip design	Dr. Soumya J. Department of Electrical And Electronics Engineering Birla Institute of Technology and Science Hyderabad-500078 Telangana	2593140

273	Engineering Sciences	Investigation of Liquid Fuelled Colorless Combustor for Aircraft Gas Turbines	Dr. Vaibhav Kumar Arghode Dept. of Engineering Indian Institute of thechnology- Kanpur Kanpur-208016 Uttar Pradesh	5463160
274	Engineering Sciences	Formulation and Optimization of Isp-Stoichiometric Ternary Gasoline-Alcohol Blends and Inversitigation of their influences on a Spark Ignition Engine	Dr. Vinay Kumar Vignan's Foundation for Sciences, Technology Guntur-522213 Andhra Pradesh	2162500
275	Engineering Sciences	MEMS based non volatile memory (NVM) for harsh environment data storage	Dr. Pushpapraj Singh Centre For Applied Research in Electronics Indian Institute of Technology New Delhi-110016 Delhi	5484600
276	Engineering Sciences	Development of flexible charge transport layers for organic solar cells	Dr. Swati Gupta Department of Electrical Engineering Indian Institute of Technology Hyderabad-502205 Telangana	5411720
277	Engineering Sciences	Development of multicomponent $\text{AlCoFeNiX}$ ( $x=\text{Sc, Cr and Zr}$ ) alloys for high temperature applications	Dr. Ravikiran Department of Physics SRM University Kattankulathur-603203 Tamilnadu	3779600
278	Engineering Sciences	Physicochemical Characterization , formation mechanism and human health risk assessment of size-fractionated... of Environment Chamber.	Dr. Sailesh Narayan Dept. of Civil Enginnering Shiv Nadar University Bhddha Nagar-203207 Uttar Pradesh	4824600
279	Engineering Sciences	Design and validation of additive manufactured catalytic converter for control of aldehyde emissions from a gasohol fueled spark ignition engine.	Dr. Prakash R School of Mechanical Engineering VIT University Vellore-632014 Tamilnadu	2404600
280	Engineering Sciences	Investigations of Fluid and Granular Jet Impact with Erosion Effects	Dr. Dhiraj Vilasrao Patil School of Engineering Indian Institute of Technology Mandi-175005 Himachal Pradesh	2759400
281	Engineering Sciences	Natural Convection Driven Flow-Through Soluble Lead Redox Flow Battery with Inbuilt Sonication Mechanism for Achieving Longer Cycle Life.	Dr. Mahendra Naktuji Nandanawar Dept. of Chemical Engineering Amrita Vishwa Vidyapeetham University Coimbatore-641105 Tamilnadu	1434100

282	Engineering Sciences	Effect of Metal doped TiO on Photoanode and lead free organic inorganic metal halide perovskite on Photovoltaic performance of perovskite solar cell:Experimental and theoretical Approach.	Dr. Susanta Kumar Tripathy National Institute of Technology Silchar-788010 Assam	4238585
283	Engineering Sciences	Droplet Impact and Splashing on Oblique Surface	Dr. Sasidhar Kondaraju School of Mechanical Engineering Indian Institute of Technology Bhubaneswar-751013 Odisha	2619890
284	Engineering Sciences	Secure and stable Grid Integration of Large-Scale Wind Energy	Dr. Zakir Hussain Rather Energy Science and Engineering Indian Institute of Technology IIT Po Powai-400076 Maharashtra	4902300
285	Engineering Sciences	Air Mist impingement heat transfer mechanisms on cylinder	Dr. Dushyant Singh Department of Mechanical Engineering National Institute of Technology Imphal-795004 Manipur	4665100
286	Engineering Sciences	Impact of climate change the chloride induced corrosion damage risks of concrete infrastructure deterioration along coastal regions of India	Dr. Muthlingam S. Department of Civil Engineering SSN College of Engineering Kanchipuram-603110 Tamilnadu	3332100
287	Engineering Sciences	Aerothermodynamic analysis of shock surface interactions in high speed flow using conjugate heat transfer solver	Dr. Bibin John Department of Mechanical Engineering VIT University Vellore-632014 Tamilnadu	1446500
288	Engineering Sciences	Modeling of hydraulic diffusivity and its application in the FE simulation of moisture transport in concrete for assessing corrosion risk	Dr. Kaustav Sarkar School of Engineering Indian Institute of Technology Mandi-175005 Himachal Pradesh	4589260
289	Engineering Sciences	Development of MAC associated schemes for large IEEE 802.15.4 based networks	Dr. Rakesh Matam Department of Computer Science And Engineering Indian Institute of Technology Guwahati-781039 Assam	1698740
290	Engineering Sciences	Investigation on the dynamic behaviour bacterial helical flagellar filaments under axial flow	Dr. Ranjith M. Department of Mechanical Engineering National Institute of Technology	2145600

			Bangalore-575025 Karnataka	
291	Engineering Sciences	Design and development of a low cost BLDC motor drive for solar PV based irrigation system	Dr.Md. Nishat Anwar Department of Electrical Engineering National Institute of Technology Patna-800005 Bihar	4217530
292	Engineering Sciences	Alternate use of disused tetracycline hydrochloride for the colouration of cotton and linen	Dr. Prashant Dnyaneshwar Gangawane Department of Textile & Engineering DKTES Textile and Engineering Institute Kolhapur-416115 Maharashtra	1064360
293	Engineering Sciences	Cobined effect of dynaic electrical stimulation and surface charge on cellular functionality of electrovector and piezoelectrically toughened biocermaics	Dr. Ashutosh Kumar Dubey Department of Ceramic Engineering Indian Institute of Technology Varanasi-221005 Uttar Pradesh	4322680
294	Engineering Sciences	Interfacial engineering in 3D gradient scaffold	Dr. Kishor Sarkar Department of Polymer Science and Technology Calcutta University Kolkata-700073 West Bengal	4918300
295	Engineering Sciences	Investigation on Various unidirectional/Bi-directional electric vechicle (EV) Charging/Discharging Configurations for green electric transporation	Dr. Arun Kumar Verma Department of Electrical Engineering Malviya National Institute of Technology Jaipur-302017 Rajasthan	3889600
296	Engineering Sciences	Mixing and autoignition of dimethyl ether jets in a preheated turbulent coflowing Air Stream	Dr. Santanu De Department of Mechanical Engineering Indian Institute of Technology Kanpur-208016 Uttar Pradesh	4938560
297	Engineering Sciences	Bioelectricity recovery during treatment of kitchen waste in combined leach bed reactor and low cost microbial cell	Dr. Manaswani Behera School of Infrastructure, Civil Engineering Indian Institute of Technology Bhubneshwar-751013 Odisha	2425480
298	Engineering Sciences	Water Treatment for Removal of chromium and arsenic by microbial method followed by Adsorption sustainable solution with minimum Environmental Impact	Dr. Tapas Palai Department of Chemical Engineering National Institute of Technology Hamirpur-177005 Himachal Pradesh	4252600

299	Engineering Sciences	Chemo-enzymatic processing of kinnow juice industry for value added nutritional products	Dr. Meena Kirhania Choudhary Department of Chemical Engineering Center of Innovative And Applied Bioprocessing Mohali-160017 Punjab	4542420
300	Engineering Sciences	Development of contractless energy exchange system for autonomous electric vehicles	Dr. Ritesh Kumar Keshri Department of Electrical Engineering Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	3744580
301	Engineering Sciences	Synthesis and characterization of solvent impregnated resins for the treatment of simulated textile dye using ultrasonic technology	Dr. Dipaloy Datta Department of Chemical Engineering Malviya National Institute of Technology Jaipur-302017 Rajasthan	3530010
302	Engineering Sciences	Engineered multiparticulate carrier drug delivery system as food and milk admixture for the treatment of HIV infection in children	Dr. B.N. VedhaHari Department of Pharmacy Sastra University Thanjavur-613401 Tamilnadu	4027370
303	Engineering Sciences	Design and development of underwater sensor networks using magnetic induction based communications	Dr. Vinay Kumar Department of Electrical And Communication Engineering Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	2442740
304	Engineering Sciences	Experimental investigation for developing an on board diagnostic tool for monitoring the health condition of a brake system of an automobile using a vibration based machine learning approach through wireless data communication	Dr. Jegadeeshwaran R. Department of Mechanical Engineering VIT University Chennai-600127 Tamilnadu	2569500
305	Engineering Sciences	Development of multimodal search framework for architectural floor plan	Dr. Chiranjoy Chattopadhyay Department of Computer Science And Engineering Indian Institute of Technology Jodhpur-342011 Rajasthan	2458500
306	Engineering Sciences	Design and analysis of distributed storage network for delay sensitive content delivery	Dr. Parimal Parag Department of Electronics Communication Engineering Indian Institute of Science Bangalore-560012 Karnataka	2533080

307	Engineering Sciences	Just in time customisation research platform for accelerating algorithms to systems	Dr. Madhura Purnaprajna Department of Computer Science And Engineering Amrita Vishwa Vidyapeetham Bangalore-560035 Karnataka	1534990
308	Engineering Sciences	Design and Development of an Electronic Nose for exhaled breath Ananalysis using metal oxide based chemiresistive Gas Sensors	Dr. Jayanth Babu Karnam Sastra University Thanjavur-613401 Tamilnadu	3773360
309	Engineering Sciences	Quality Assessment of 360 Degress Images for Virtual Reality	Dr. Rajiv Soundararajan Indian Institute of Science Bangalore-560012 Karnataka	2066790
310	Engineering Sciences	MEMS Based piezoelectric energy harvester for implanted medical devices	Dr. Sudip Kundu Birla Institute of Technology Ranchi-835215 Jharkhand	3886020
311	Engineering Sciences	Pulsed light treatment of beverage from underutilized tropical fruits: Value addition, process optimization and shelf-life extension	Dr. SNEHASIS CHAKRABORTY INSTITUTE OF CHEMICAL TECHNOLOGY MUMBAI- Maharashtra	4808770
312	Engineering Sciences	Fault-tolerant Coordination in Heterogeneous Infrastructure-less Network Environment for Disaster Management	Dr. SUDDHASIL DE NATIONAL INSTITUTE OF TECHNOLOGY PATNA PATNA-800005 Bihar	2085270
313	Engineering Sciences	Fabrication surface modification and evaluation of bioceramic hydroxyapatite coated with HVOF on Mg/Al Alloy form sandwich Composite structure similar to the natural bone for the implant applications	Dr. BHINGOLE PRAMOD PANDURANG INSTITUTE OF INFRASTRUCTURE TECHNOLOGY RESEARCH AND MANAGEMENT AHMEDABAD- Gujarat	3394600
314	Engineering Sciences	Experimental Investigation of passive, semi-active and active vibration control of composite sandwich structure	Dr. SHARNAPPA JOLADARASHI NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURTHAKAL-575025 Karnataka	5050100
315	Engineering Sciences	Processing and in situ characterization of auxetic behavior in porous metallic fibre network materials	Dr. SURESH NEELAKANTAN INDIAN INSTITUTE OF TECHNOLOGY DELHI NEW DELHI-110016 Delhi	5472500
316	Engineering Sciences	Development of renewable energy technology package for clean power generation in remote utility	Dr. PANKAJ KALITA INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI GUWAHATI-781039 Assam	5165710

317	Engineering Sciences	Development of Nanostructure wear resistant microwave clads to minimise slurry erosion in hyrdo turbines	Dr. SUNNY ZAFAR INDIAN INSTITUTE OF TECHNOLOGY MANDI MANDI-175005 Himachal Pradesh	5330750
318	Engineering Sciences	Cold ferroelectric polymer-ceramic nanocomposites for energy storage	Dr. AKANSHA DWIVEDI INDIAN INSTITUTE OF TECHNOLOGY (BHU) VARANASI-221005 Uttar Pradesh	5491695
319	Engineering Sciences	In situ biodiesel production from microalgae using ultrasonic assisted reactor	Dr. DIPESH SHIKCHAND PATLE VIT UNIVERSITY VELLORE-632014 Tamil Nadu	971410
320	Engineering Sciences	Prediction of sediment load concentration in rivers using computational machine learning approaches	Dr. DEEPAK GUPTA NATIONAL INSTITUTE OF TECHNOLOGY ARUNACHAL PRADESH PAPUMPARE- Arunachal Pradesh	2679490
321	Engineering Sciences	Catalytic oxidation of cyclohexane using Co-Fe/Al <sub>2</sub> O <sub>3</sub> Catalysts at low temperature	Dr. TARAKNATH DAS INDIAN INSTITUTE OF TECHNOLOGY ROORKEE ROORKEE-247667 UTTARAKHAND	5498790
322	Engineering Sciences	Massively Parallel High throughput single cell nano-electroporation chip	Dr. TUHIN SUBHA SANTRA INDIAN INSTITUTE OF TECHNOLOGY MADRAS CHENNAI-600036 Tamil Nadu	5495600
323	Engineering Sciences	Void Growth modeling in BCC steels using CPFEM	Dr. VISWANATH R CHINTHAPENTA INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD HYDERABAD-502205 TELANGANA	2825320
324	Engineering Sciences	Evaluation of mechanical property of injection moulded inorganic reinforced polymer composite bone screw with bioresorption: Effect of volume fraction and distribution of reinforcement	Dr. ARJUNAN SIDDHARATHAN ANNA UNIVERSITY CHENNAI-600025 Tamil Nadu	5497270
325	Engineering Sciences	Understanding and mitigating property erosion in polymer modified bitumen during storage and transportation	Dr. Sham Sundar Ravindranath Department of polymer sScience and Engineering Indian Institute of Technology Roorkee-247667 Uttarakhand	3758290

326	Engineering Sciences	Online Monitoring and characterization of distroration in multi layer cladding process	Dr. Gupta V. K. Department of Mechanical Visvesvaraya National Institute of Technology Nagpur-440010 Maharashtra	3719570
327	Engineering Sciences	Co pyrolysis of agro biomass with plastic waste for bio oil production in a tubular reactor performance and emission characteristics of the bio oil belends in diesel engine	Dr. Murugavelh S. VIT University Vellore-632014 Tamilnadu	3924800
328	Engineering Sciences	Photodegradation of dyes using hydrothermally synthesized titanate nanotube (TNT) and surface modified titanate nanotube (SMTNT)	Dr. Sanjoy Kumar Maji Department of Chemistry KIIT University Bhubneshwar-751024 Odisha	3044520
329	Engineering Sciences	An improved DTC IM Drive with Multilevel inverter for vehicular and industrial applicatiосn	Dr. Rohith Balaji Jonnala Electrical and Electronics Engineering Shri Vishnu Engineering College for Women Bhimavaram-534202 Andhra Pradesh	3119580
330	Engineering Sciences	Development of a smart solar photo voltaic based power supply system suitable for both grid and islanded modes of operation	Dr. Anubrata Dey Dept. of Electrical Engineering, Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	5378030
331	Engineering Sciences	Development of Novel SOFC Electrolyte Materials with enhanced Ionic Conductivity	Dr. Hari Prasad Dasari National Institute of Technology Mangalore-575025 Karnataka	5113800
332	Engineering Sciences	High density diffuse correlation tomography (DCT) system and method for non-invasive in vivo blood flow measurement.	Prof. Hari M Varma Indian Institute of Technology Bombay  Mumbai-400076 Maharashtra	5499450
333	Engineering Sciences	DRILLSTRING DYNAMICS AND BACKWARD WHIRL BEHAVIOUR	Dr. Kiran Vijayan Indian Institute of Technology-Kharagpur Kharagpur-721302 West Bengal	5337200
1	Life Sciences	Peroxisome and inter-organelle communication in a cell	Dr. Shirisha Nagotu Department of Bioscience and Bioengineering Indian Institute of Technology -Guwahati Guwahati-781039 Assam	3194950



2	Life Sciences	Identification and characterization of DNA primase in <i>Leishmania donovani</i>	Dr. Diwakar Kumar Department of Microbiology Assam University Cachar-788011 Assam	4289560
3	Life Sciences	The Role of hyperinsulinemia in the pathogenesis of insulin resistance and diabetes	Dr. Prosenjit Mondal School of Basic Sciences Indian Institute of Technology-Mandi Mandi-175005 Himachal Pradesh	3704360
4	Life Sciences	The Role of hyperinsulinemia in the pathogenesis of insulin resistance and diabetes	Dr. Debabrata Ghosh Department of Immunotoxicology Indian Institute of Toxicology Research Lucknow-260001 Uttar Pradesh	736992
5	Life Sciences	Development of broad spectrum peptide-based membrane fusion inhibitors	Dr. Birak Chakraborty School of Chemistry Sambalpur University Burla-768019 Odisha	3669050
6	Life Sciences	To investigate how apoptosis and splice associated protein (ASAP) complex interface with splicing and connects Exon junction complex (EJC)	Dr. Kusum Kumar Singh Department of Bioscience and Bioengineering Indian Institute of Technology-Guwahati Guwahati-781039 Assam	4296145
7	Life Sciences	Direct reprogramming of human fibroblasts to functional cardiomyocytes for cell therapy	Dr. Rajkumar Parshottambhai Thummer Department of Bioscience And Bioengineering Indian Institute of Technology-Guwahati Guwahati-781039 Assam	4012360
8	Life Sciences	Deciphering the molecular circuitry of cancer stem cells	Dr. Radhika Nair Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram-695014 Kerala	4371840
9	Life Sciences	Role of HMG Box protein in mitochondrial DNA organization in <i>Trypanosoma brucei</i> : Structure and molecular insights into DNA binding and topological modulation of DNA structure by HMG box protein TbKAP6	Dr. Rajakumara Eerappa Department of Biotechnology Indian Institute of Technology-Hyderabad Hyderabad-502205 Telangana	4889731

10	Life Sciences	Functional elucidation of serine hydroxy methyl tranferase 6 and 7 during plant resistance agaisnt pathogen infection	Dr. Jagadish Gupta Kapuganti National Institute of Plant Genome Research New Delhi-110067 Delhi	3366144
11	Life Sciences	Understanding the role of myo inositol hexakiksphate (IP6) in the regulation of bruton's tyrosine kinase in B-cell signaling	Dr. Rahul Das Biological Sciences Indian Institute of Science Education And Research Kolkata-741246 West Bengal	4203595
12	Life Sciences	Novel growth factor nanoencapsulated smart biomaterials for the treatment of myocardial infarction	Dr. Jyotsnendu Giri Department of Biomedical Engineering Indian Institute of Technology Hyderabad-502205 Telangana	3996313
13	Life Sciences	Tox2020: Toxicity prediction of pre clinical trial drug using physiocochemical properties and machine learing approaches	Dr. Prashant Singh Rana Departement of Computer Science Engineering Thapar Institute of Engineering & Technology Patiala-147004 Punjab	2587248
14	Life Sciences	Dissecting the interactome development at sieve element due to aphid infestation for better understanding of enhanced insecticidal effect in resistant host plant	Dr. Hossain Ali Mondal Department of Genetics And Plant Breeding Uttar Banga Krishi Vishwavidyalaya Cooch Behar-736165 West Bengal	2227500
15	Life Sciences	Evaluation of pulse electric field for recovery of proteinaceous material from waste water streams of fish/meat processing and utilization of recovered biomolecular through biotechnological approaches	Dr. Tanaji Ganpatgonda Kudre Meat And Marine Sciences Central Food Technological Research Institute Mysore-570020 Karnataka	3870720
16	Life Sciences	In vitro conservation, Essential oil studies and pharmacological screening of pimpinella wallichiana clarke (Apiaceae): An Endangered endemic plant species of wetern ghats, Southern India	Dr. Kiranmai Chadipiralla Department of Biotechnology Vikrama Simhapuri University Nellore-524001 Andhra Pradesh	3122460
17	Life Sciences	Investigate the role of ubiquitination and autophagy pathways in hematopoeitic progenitor progenitor cell development and maintenance in Drosophila	Dr. Tina Mukherjee Institute for Stem Cell Biology And Regenerative Medicine Bangalore-560065 Karnataka	3576490

18	Life Sciences	Mechanistic studies on trafficking of human copper ATPase ATP7B	Dr. Arnab Gupta Department of Neurosciences University of Calcutta Kolkata-700001 West Bengal	3872000
19	Life Sciences	Isolation and characterization of bovine milk glycoproteins as potential markers for early diagnosis of mastitis	Dr. Srinivaskiran Ambatipudi Department of Biotechnology Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	3701500
20	Life Sciences	Gene Correction and disease modelling using iPSC derived from progressive familial intrahepatic cholestasis patients	Dr. Madhusudana Girija Institute of Liver And Biliary Sciences New Delhi-110070 Delhi	4277371
21	Life Sciences	To Evaluate role of CMYC, BCL2, BCL6 and Epstein Barr virus on survival in patients with refractory /relapsed primary diffuse large B cell lymphoma	Dr. Saumyaranjan Mallick Department of Pathology All India Institute of Medical Sciences New Delhi-110029 Delhi	3520825
22	Life Sciences	Molecular insights of millets arabinoxylan oligosaccharides (AXOS) induced anti cancer effect in gastrointestinal cancer	Dr. Sachin M. Eligar Department of Protein Chemistry and Technology Central Food Technological Research Institute Mysore-570020 Karnataka	3711960
23	Life Sciences	Production of novel polyunsaturated fatty acids (PUFA) by endophytic fungi isolated from Linum usitatissimum	Dr. V. Bhuvaneshwari Shanmuganathan Chikkaiah Naicker College Erode-638004 Tamil Nadu	1490500
24	Life Sciences	Investigation and Development of an Integrated Strategy for Enhanced Degradation of Persistent Organic Pollutants and Biogas Production from Sewage Sludge	Prof. Kumarasamy Murugesan Environmental Science Periyar University Salem-636011 Tamil Nadu	3597000
25	Life Sciences	Mechanisms of complement activation and evasion strategies in Chandipura virus pathogenesis	Dr. John Bernet Johnson Viral Disease Biology Rajiv Gandhi Centre For Biotechnology Thiruvananthapuram-695014 Kerala	4424976
26	Life Sciences	Pre-clinical studies for gene therapy of Wiskott-Aldrich Syndrome	Dr. Saravanabhavan Thangavel Christian Medical College Vellore-632004 Tamil Nadu	4577100

27	Life Sciences	Study of human leukocyte antigen (HLA) among indo Aryan Kami Population of sub Himalayan belt of darjeeling and adjoining areas	Dr. Bisu Singh Zoology Sikkim University Gangtok-737102 Sikkim	3404060
28	Life Sciences	Molecular Characterization of anti angiogenic activity of flavonoids using HUVEC cells and Xenograft/transgenic zebrafish embryo model a perspective on miRNAs and natural therapeutics for cancer treatment	Dr. Anandan Balakrishnan Department of Genetics Madras University Chennai-600005 Tamilnadu	3890040
29	Life Sciences	Development and evaluation of the molecular mechanisms of ketogenic diet for comprehensive management of epilepsy associated central and peripheral comorbidities in experimental animal models	Dr. Damanpreet Singh Institute of Himalayan Bioresources Technology Palampur-176061 Himachal Pradesh	3433752
30	Life Sciences	Identification of predictive biomarkers for sepantronium bromide (YM155) treatment of triple negative breast cancers	Dr. Anindita Chakrabarty Department of Life Sciences Shiv Nadar University Gautam Budh Nagar-203207 Uttar Pradesh	3586000
31	Life Sciences	Degeneration of tissue structure and loss of function in respiratory system with age analysis in a drosophila model	Dr. Renjith Mathew School of Biological Sciences National Institute of Science Education And Research- Bhubaneshwar Bhubneshwar-751005 Odisha	4534056
32	Life Sciences	Deciphering CUEDC2-mediated molecular crosstalk between aneuploidy and receptor status of breast tumors	Dr. Somsubhra Nath Molecular Biology Research and Diagnostic Laboratory Saroj Gupta Cancer Centre and Research Institute Kolkata-700063 West Bengal	4122360
33	Life Sciences	Characterization and genetic diversity of Bartonella bacteria in small animals	Dr. Vijaya Anandakumarbabu Gundi Department of Biotechnology Vikram Simhapuri University Nellore-524001 Andhra Pradesh	3538206
34	Life Sciences	Biophysical characterization of the interactions of apolipoprotein E with $\alpha$ -synuclein in parkinson's disease	Dr. Kanchan Kumar Garai Department of Biophysics Tata Institute of Fundamental Research Mumbai-500075 Maharashtra	4845744
35	Life Sciences	Targeting the WNT/ $\beta$ -catenin pathway in metastatic cervical cancer	Dr. liangovan Ramachandran University of Madras Chennai-600005 Tamilnadu	3549040

36	Life Sciences	Regulation of TET2 protein by Erythropoietin(EPO) during erythroid differentiation in humans and to investigate its role in acute myeloid leukemia (AML)	Dr. Subhradip Karmakar Department of Biochemistry All India Institute of Medical Sciences New Delhi-110029 Delhi	4231480
37	Life Sciences	Immune enhancement using sulfated polysaccharides isolated from marine algae (seaweeds) against mycobacterium marinum	Dr. Rajasekar Thirunavukkarasu Sathyabama University Chennai-600119 Tamilnadu	2766500
38	Life Sciences	Understanding the role of mammalian long noncoding RNAs (lncRNAs) in regulating cellular quiescence	Dr. Vidisha Tripathi Department of Biotechnology National Centre For Cell Science Pune-411007 Maharashtra	4260858
39	Life Sciences	Study of host induced gene silencing (HIGS) and its utility in rice R solani pathosystem to control sheath blight disease	Dr. Kutubuddin Ali Molla Division of Crop Improvement Central Rice Research Institute Cuttack-753006 Odisha	3965436
40	Life Sciences	functional analysis of circulating microRNA and their regulatory role in diabetic retinopathy	Dr. Ramprasad Giridharangopalan Obula Arvind Medical Research Foundation Madurai-625020 Tamilnadu	3815856
41	Life Sciences	Combinatorial antibodies polymer drug Bio Conjugates for synergistic cancer therapy against triple negative breast cancer	Dr. Satish Shilpi Department of Pharmaceutics Ravishankar College of Pharmacy Bhopal-462010 Madhya Pradesh	3233000
42	Life Sciences	Evaluation of tea germplasm for production of seed oil and its potentiality for commercialization	Dr. Pradeep Kumar Patel Plant Physiology And Breeding Tockali Tea Research Institute Jorhat-785008 Assam	2416608
43	Life Sciences	Sensitization of colicin Resistant E.Coli by cell penetrating peptides	Dr. Gururaja Perumal Pazhani National Institute of Pharmaceutical Education And Research Kolkata-700032 West Bengal	1804000
44	Life Sciences	Characterization of cellular and molecular mechanisms involved in fish lectins and its potential Role in innate immune defence and therapeutics	Dr. Preetham Elumalai Punnadath Department of Biochemistry Kerala University Kochi-682506 Kerala	3985520

45	Life Sciences	Molecular Epidemiology of carbapenemases producing enterobacteriaceae from clinical samples	Dr. Uday Sankar Allam Department of Biotechnology Vikrama Simhapuri University Nellore-524001 Andhra Pradesh	4167020
46	Life Sciences	Role of long non coding RNAs in breast cancer invasion in acidic microenvironment	Dr. Subash Chandra Gupta Department of Biotechnology Banaras Hindu University Varanasi-221005 Uttar Pradesh	4799520
47	Life Sciences	Application of microaerophilic aerobic bioreactor system in treating real textile effluents and metagenomic analysis of microbial community dynamics	Dr. Chirayu Rameshchandra Desai Department of Biological Sciences Charotar University of Science and Technology Anand-388124 Gujarat	3362700
48	Life Sciences	Development of functional fermented millet based drink for combating vitamin B12 vitamin B12 deficiency	Dr. Umamaheswari Thiyagamoorthy Tamilnadu Agricultural University Coimbatore-641003 Tamilnadu	2378200
49	Life Sciences	Molecular Investigation of Lepidopteran trehalase inhibitors as insecticidal molecules: Structural and functional approach	Dr. Rakesh Shamsunder Joshi Savitribai Phule Pune University Pune-411007 Maharashtra	4962100
50	Life Sciences	Development of an in bin fumigation system and management protocols for scientific storage of selected india spices	Dr. Jeyan Moses Indian Institute of Crop Processing Technology Thanjavur-613005 Tamilnadu	3160505
51	Life Sciences	Reconstitution of novel TK/NOG mice with Humanized liver to study liver stage infection of plasmodium falciparum	Dr. Rajeev Kumar Tyagi Department of Biochemistry Nirma University Ahmedabad-382481 Gujarat	4205960
52	Life Sciences	Unraveling the mechanics of ATP dependent chromatin remodeling	Dr. Ajazul Hamid Wani Department of Biotechnology Kashmir University Srinagar-190006 Jammu & Kashmir	4990700
53	Life Sciences	Identification of quorum sensing molecule (s) in rhizopus arrhizus and their potential as diagnostic target (s)	Dr. Rachana Singh Department of Biotechnology Panjab University Chandigarh-160014 Chandigarh	3157000

54	Life Sciences	Study on the anticancer potential of north east indian propolis and isolation of possible active principle(s)	Dr. Akalesh Kumar Verma Department of Zoology Cotton College State University Guwahati-781001 Assam	2035000
55	Life Sciences	Functional genomics of rice root system architecture (RSA): hormonal regulation of crown root development	Dr. Shri Ram Yadav Department of Biotechnology Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	5098225
56	Life Sciences	Generation of heat and abiotic stress tolerant barley through genetic manipulation of HsfA2 gene	Dr. Harsh Chauhan Department of Biotechnology Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	4470701
57	Life Sciences	Production and purification of lactase enzyme from a bacterium isolated from dairy effluent	Dr. Kodali Vidya Prabhakar Department of Biotechnology Vikrama Shimapuri University Nellore-524001 Andhra Pradesh	2552000
58	Life Sciences	Studies on small non coding RNA mediated regulation in bacteria	Dr. Tanmay Dutta Department of Chemistry Indian Institute of Technology-Delhi Delhi-110016 Delhi	3273600
59	Life Sciences	Development of an organic and cost effective strategy for the induction of resistance against leaf spot disease of tomato solanum lycopersicum mill using sulphated polysaccharide	Dr. Radhakrishnan Nagarathnam University of Madras Chennai-600005 Tamilnadu	2387000
60	Life Sciences	Understanding pattern of plant defence responses and insect adaptation mechanisms	Dr. Radhika Venkatesan Department of Chemical Ecology National Centre for Biological Sciences Bangalore-560065 Karnataka	2160000
61	Life Sciences	Effect of TGF- $\beta$ silencing in dendritic cell mediated immunotherapy against an aggressive murine lymphoma: Role of cytokine	Dr. Sumit Kr. Hira Department of Immunology Burdwan University Burdwan-713104 West Bengal	3344000
62	Life Sciences	Expression Localization and Modulatory Effect of adipokines in Ovary of Cyclic Buffaloes	Dr. Mahesh Gupta Department of Veterinary Physiology Maharashtra Animal & Fishery Sciences University Nagpur-440006 Maharashtra	41011020

63	Life Sciences	Elucidation of the role of S-locus receptor kinases (SRKs) and S-locus Glycoproteins (SLGs) in response to reactive oxygen species (ROS) IN Arabidopsis thaliana	Dr. Yogesh Mishra Department of Botany Hindu University Varanasi-221005 Uttar Pradesh	4549600
64	Life Sciences	Identifying Mitochondrial Dysfunction as the regulatory mechanisms in Progression of Rheumatoid Arthritis and the associated therapeutic opportunities in the indian case control cohort	Dr. Bhawna Gupta School of Biotechnology KIIT University Bhubneshwar-751024 Odisha	3569500
65	Life Sciences	Determine the role of autophagy in gemline stem cell aging in drosophila	Dr. Bhupendra V. Shrivage Development Biology Group Agarkar Research Institute Pune-411004 Maharashtra	3776544
66	Life Sciences	miRNA incorporation into exosomes: mechanism (s) and molecular plays	Dr. Neha Dhruvdev Vyas Department of Molecular Medicine St.John's Research Institute Bangalore-560034 Telangana	3009600
67	Life Sciences	Generation of hypoimmunogenic retinal pigment epithelial cells for age related macular degeneration by targeted genome engineerig approach	Dr. Sowmya Parameswaran Vision Research Foundation Chennai-600006 Tamilnadu	5418144
68	Life Sciences	Deciphering the role of adhesion G protein coupled receptors during heart development using zebrafish as a model organism	Dr. Chinmoy Patra Agharkar Research Institute Pune-411004 Maharashtra	5158944
69	Life Sciences	Neurosteroids and cognitive dysfunction: behavioral electrophysiological and pharmacological evaluation	Dr. B.N Srikumar Department of Neurophysiology National Institute of Mental Health & Neurosciences Bangalore-560029 Karnataka	3785512
70	Life Sciences	Bi-functional co electrospun scaffolds for combating inflammation in the context of tissue regeration	Prof. Satyavrata Satyavrata Department of Chemical Engineering Indian Institute of Technology Hyderabad Hyderabad-502205 Telangana	5497800
71	Life Sciences	Reduction of insulin resistance by inhibiting monoacylglycerol lipase with food based small molecules for the management of obesity and the prevention of diabetes	Dr. P. Vijayaraj Department of Lipid Science Central Food Technological Research Institute Mysore-570020 Karnataka	4570560



72	Life Sciences	Habitat Hotspots and morphotaxonomy of black fly (Simuliidae:Diptera) in South India	Dr. Anbalagan S Department of Zoology Sethupathy Government Arts College Ramanathapuram-623502 Tamilnadu	2204809
73	Life Sciences	Whole Genome transcriptomic analysis to identify key genes regulating sugar accumulation in sweet sorghum	Dr. Manoj K. Sharma School of Biotechnology Jawaharlal Nehru University New Delhi-110067 Delhi	3081991
74	Life Sciences	Structural Studies on Banana Bunchy Top virus from India	Dr. Sangita Venkataraman Amity University Gurgaon-122413 Haryana	3339600
75	Life Sciences	Whole Genome Transcriptomic analysis to identify key genes regulating sugar accumulation in sweet sorghum	Dr. Umakanth Venkata Akula Department of Plant Breeding Indian Institute of Milets Research Hyderabad-500030 Telangana	684288
76	Life Sciences	Identification and characterization of peptidic antagonist to the recombinant cysteine synthase protein of haemonchus contortus	Dr. Veda Murthy GV Central Sheep And Wool Research Institute Tonk-304501 Rajasthan	5116980
77	Life Sciences	Fibrin Hydrogel Incorporated with graphene oxide functionalized superparamagnetic nano hydroxyapatite as scaffolds for bone repair in vitro and in vivo study	Dr. SureshKumar Anandasadagopan Department of Biochemistry Central Leather Research Institute Chennai-600020 Tamilnadu	2977344
78	Life Sciences	Mining of dual acting plant based small molecule inhibitors affecting AR Nucleo-Cytoplamic translocation and P13K signaling pathways in Castration-resistant prostate cancer	Dr. Khalid Z Masoodi Division of Biotechnology Sher-E-Kashmir University of Agricultural Science & Technology-Kashmir Srinagar-191121 Jammu & Kashmir	4898520
79	Life Sciences	Determine the mechanism and therapeutic potential of ZKSCAN3 mediated autophagy	Dr. Santosh Chauhan Institute of Life Sciences, Nalco Square Bhubneshwar-750023 Odisha	3697056
80	Life Sciences	Physiological evaluation of rice genotypes for multiple stress tolerance	Dr. Vanitha K Tamilnadu Agricultural University Coimbatore-641003 Tamilnadu	2407968

81	Life Sciences	Tissue electrical properties as a toll for early detection of hepatocellular carcinoma	Dr. Sanjay Bharati Department of Nuclear Medicine Manipal University Manipal-576104 Karnataka	3191430
82	Life Sciences	Molecular studies on Antidiabetic Activity of Beta sitosterol in high fat diet & sucrose induced type -2 Diabetic rats	Dr. Selvaraj Jayaraman Meenakshi Academy of Higher Education And Research Chennai-600092 Tamilnadu	2812480
83	Life Sciences	Deciphering N-Linked glycosylation dynamics relevant to the breast neoplastic transformation and metastatic cascade	Dr. Ramray Bhat Indian Institute of Science Bangalore-560012 Karnataka	4528238
84	Life Sciences	A Novel Strategy for immunotherapy of tuberculosis that avoids generation of durg resistant varints (MDR and XDR) and hepatotoxicity	Dr. Vedprakash Dwivedi Department of Immunology International Centre for Genetic Engineering And Biotechnology New Delhi-110067 Delhi	3978480
85	Life Sciences	Cloning overexpression prufication and characterization of listeria monocytogenes RecA LexA and SSB proteins: Implication processes and in antibiotic resistance	Dr. Neelakanteshwar Patil Karaddy Department of Food Safety & Analytical Central Food Technological Research Institute Mysore-570020 Karnataka	4455299
86	Life Sciences	Bioprospecting of fish associated actinobacteria for quorum sensing inhibitors effective against microbial biofilms	Dr. Venugopal Gopikrishnan Sathyabama University Chennai-600119 Tamilnadu	1870000
87	Life Sciences	Role of pexel positive P falciparum hsp40 protein in parasite protein trafficking and host cell remodeling inside the host erythrocyte	Dr. K.Sony Reddy School of Biotechnology KIIT University Bhubaneswar-751024 Odisha	4205030
88	Life Sciences	Phosphorylation mediated induction of salt stress signaling in primary root growth of model plant Arabiodopsis thaliana	Dr. Pratigya Subba Yenepoya University Mangalore-575018 Karnataka	4620000
89	Life Sciences	Molecular Cloning Expression and Functional characterization of IL-4 Splice varihnants in Guinea Pig model of Pulmonary Tuberculosis	Dr. Vijaya R Dirisala School of Biotechnology Vignan's Foundation For Science Technology And Research University Guntur-522213 Andhra Pradesh	1923900

90	Life Sciences	Development of Porphyrin Intracellular Leishmania Parasite for the Effect vaccine and Vaccine Delivery System	Dr. Pankaj Tripathi Department of Biotechnology Invertis University Bareilly-243129 Uttar Pradesh	2425500
91	Life Sciences	Molecular epidemiology and characterization of occult hepatitis B virus (HBV) infections, Particularly the role of S protein mutations leading to undetectable HBV surface antigen (HBsAg) in patient blood Plasma	Dr. Subhajit Biswas Division of Infectious Diseases & Immunology Indian Institute of Chemical Biology Kolkata-700032 West Bengal	3132697
92	Life Sciences	Agronifectious clones development for probing resistance to chilli leaf curl diseases caused by begomoviruses and devising integrated management strategy	Dr. Nagendran Krishnan Department of Crop Protection Indian Institute of Vegetable Research Varanasi-221305 Uttar Pradesh	3439260
93	Life Sciences	Development of novel multi substrate degrading carbohydrate active enzymes and deciphering the role of associated non catalytic modules in the cellulosome of bacteroides xylanisolvens and ruminococcus flaverfaciens to exploit their industrial use	Dr. Shadab Ahmed Savitribai Phule Pune University Pune-411007 Maharashtra	3938000
94	Life Sciences	Characterization and functional studies of Rv1987, a probable chitinase form M. Tuberculosis	Dr. Vani Janakiraman Department of Biotechnology Indian Institute of Technology Chennai-600036 Tamilnadu	4777847
95	Life Sciences	Investigation of synergic effects of methylene blue adsorbed cerium oxide nanoparticles As therapeutics for Alzheimer's Disease	Dr. Sahabudeen S. Department of Biotechnology SRM University Kancheepuram-603203 Tamilnadu	2599852
96	Life Sciences	Elucidation of Changes in the host parasite homeostasis as a mechanism for the induction of artemisinin resistance in plasmodium falciparum	Dr. Souvik Bhattacharjee Jawaharlal Nehru University New Delhi-110067 Delhi	4198480
97	Life Sciences	Study of HLA-DR3 and /or DQ2 restricted CD4+T cells in type 1 diabetes in North India	Dr. Neeraj Kumar Department of Biology National Institute of Pathology New Delhi-110029 Delhi	3743168
98	Life Sciences	Regulation of endothelial cells dysfunction by Erk-5 in metabolic disorder	Dr. Umesh Cs Yadav Central University of Gujarat Gandhinagar-382030 Gujarat	3982000

99	Life Sciences	Clinical Drug Resistance strains of pathogenic candida Elucidation of possible mechanisms of drug resistance and drug tolerance	Dr. Peer Abdhulhaseeb Shah University of Kashmir Srinagar-190006 Jammu & Kashmir	4004768
100	Life Sciences	Clinical Resistant Strains of pathogenic candida: Elucidation of possible mechanisms of drug resistance and drug tolerance	Dr. Gulnaz Bashir Department of Microbiology Sher-i-Kasmir Institute of Medical Sciences Srinagar-190011 Jammu & Kashmir	150000
101	Life Sciences	Mechanistic analysis of eukaryotic mobile genetic elements	Dr. Sharmistha Majumdar Department of Biological Engineering Indian Institute of Technology Gandhi Nagar-382424 Gujarat	5006652
102	Life Sciences	Genome wide protein DNA binding dynamics and protein interactions studies to understand sugar specific responses of transcription factor in the model prokaryotic pathogen vibrio cholerae	Dr. Swagata Ghosh Department of Molecular Biology And Biotechnology University of Kalyani Kalyani-741245 West Bengal	5499560
103	Life Sciences	National Post Doctoral Fellowship	Dr. Debasis Nayak Department of Biosciences And Biomedical Engineering Indian Institute of Technology Indore-452011 Madhya Pradesh	4043600
104	Life Sciences	Molecular Cloning Expression functional characterization of IL-4 splice variants in the guinea pig model of pulmonary tuberculosis	Dr. Malathi Jojula Department of Pharmaceutical Microbiology Sri Shivani College of Pharmacy Warangal-506006 Telangana	953700
105	Life Sciences	Study of gut microbiota and their potential role in inflammation during suppressive antiretroviral therapy in perinatally HIV infected children	Dr. Ravi Tandon School of Biotechnology Jawaharlal Nehru University New Delhi-110067 Delhi	4440480
106	Life Sciences	Targeting the herpes simplex virus (HSV) entry and fusion by identifying the glycoprotein inhibitors from marine algae sargassum	Dr. Manikannan Mathaiyan Sathyabama University Chennai-600019 Tamilnadu	3362480

107	Life Sciences	To investigation the immunopathological role of dendritic cells mediated inflammation and vitamin D modulation in dry Eye disease	Dr. Swaminathan Sethu Narayana Nethralaya Foundation Bangalore-560099 Karnataka	2953800
108	Life Sciences	A High Throughput platform to investigate age related changes in motor units in vitro development of a test bed to study synaptic function at the neuromuscular junctions	Dr. Anupama Natarajan Sastra University Thanjavur-613401 Tamilnadu	3945700
109	Life Sciences	Development of magnetically modulated therapeutically active layered double hydroxide (LDH) as a nanomedicine with hyperthermia potential for cancer theranostics	Dr. MANOJ RAAMA VARMA NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE & TECHNOLOGY THIRUVANANTHAPURAM- 695019 Kerala	550800
110	Life Sciences	Development of magnetically modulated therapeutically active layered double hydroxide (LDH) as a nanomedicine with hyperthermia potential for cancer theranostics	Dr. SAILAJA GS COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY KOCHI- Kerala	2829893
111	Life Sciences	Understaing the ranscriptional regualtory network controlling epithelial mesenchymal transition	Dr. SANTANU PALCHAUDHURI AMITY UNIVERSITY KOLKATA KOLKATA-700156 West Bengal	3388935
112	Life Sciences	Synthesis characterization aand assessment of nanoencapsulated derived bioactive compounds as novel source of food preservative	Dr. BHANU PRAKASH BANARAS HINDU UNIVERSITY VARANASI-221005 Uttar Pradesh	3820520
113	Life Sciences	Identification characterization and in vivo knowckdwon of potato leafroll viruses (PLRV) infecting potato crops	Dr. RAVI RANJAN KUMAR BIHAR AGRICULTURAL UNIVERSITY BHAGALPUR- Bihar	3662560
114	Life Sciences	Proteome identification of binding partners interating with alpha 1 syntrophin (SNTA1) protein in human breat cell lines	Dr. HINA F BHAT SHER E KASHMIR UNIVERSITY OF AGRICULUTRAL SCIENCES & TECHNOLOGY KASHMIR SRINAGAR- Jammu and Kashmir	4846600
115	Life Sciences	Evaluation of possible association among endometriosis endometroid carcinoma of ovary and endometrial cancer by epigenetic profiling	Dr. Indu Sharma Department of Zoology Panjab University Chandigarh-160014 Chandigarh	3933600

116	Life Sciences	Investigation the effect of sonic hedgehog and retinoic acid signalling on polycomb group (PcGs) proteins during pancreatic lineage differentiation from pluripotent stem cells	Dr. Prasad Shiriram Pethe SVKM's NMIMS Mumbai-400056 Maharashtra	4081834
117	Life Sciences	Effect of micro RNA-214 in modulating chemo resistance/sensitivity in cervical cancer	Dr. Niladri Ganguly Department of Biotechnology KIIT University Bhubneshwar-751024 Odisha	4818063
118	Life Sciences	To Study the efficacy of lenalidomide in a vitiligo mouse model and its therapeutic implications	Dr. Ravinder Kumar Department of Zoology Panjab University Chandigarh-160014 Chandigarh	3721520
119	Life Sciences	Understanding the adaptive significance of DNA endoreduplication as an alternative stress tolerance strategy for plants in response to UV-B irradiation	Dr. Sujit Roy Department of Botany Burdwan University Burdwan-713104 West Bengal	3276900
120	Life Sciences	Porous microparticle based inhalation formulations to treat lung fibrosis and lung cancer	Dr. Chandraiah Godugu Department of Regulatory Toxicology National Institute of Pharmaceutical Education And Research Hyderabad-500037 Telangana	3868480
121	Life Sciences	Orentia tsutsugamushi bacteremia and cytokine analysis in scrub typhus patients in north India	Dr. Asfia Sultan Department of Microbiology Aligarh Muslim University Aligarh-202002 Uttar Pradesh	3589520
122	Life Sciences	Antitubercular metabolites from endophytic microbes of salicornia barachiata a halophyte of Gujarat coast	Dr. Pramod Bapurao Shinde Central Salt & Marine Chemical Research Institute Bhavnagar-364002 Gujarat	4556952
123	Life Sciences	Investigation of the effect of Scopoletin on Neurological alterations during streptozotocin induced chronic diabetes	Dr. Sita Sharan Patel Sagar Institute of Research and Technology Bhopal-462041 Madhya Pradesh	1480567
124	Life Sciences	Investigation the effect of piriformospora indica on root architecture and growth responses of salt tolerant and susceptible rice varieties under salinity stress	Dr. Manoj Nath Amity University Noida-201303 Uttar Pradesh	4519680
125	Life Sciences	Anti-Hp91 antibodies for sepsis	Dr. Shyam Krishna MIMS Research Foundation Calicut-673007 Kerala	4494235

126	Life Sciences	Encapsulation of mesoporous carbohydrate Nanoparticles on intestinal microflora cell surface for enhancement of drug effectiveness	Dr. Diptman Choudhury School of Chemistry and Biochemistry Thapar Institute of Engineering & Technology Patiala-147004 Punjab	4312000
127	Life Sciences	Construction and studies on vaccine potential of chimeric protein molecules comprising immunodominant regions of outer membrane proteins of enterobacteriaceae for application as broad spectrum vaccine against salmonella shigella E Coil and proteus	Dr. Shivakiran Sathyanarayan Makam Department of Biotechnology Vignan's Foundation For Science Technology And Research University Guntur-522213 Andhra Pradesh	3294610
128	Life Sciences	Study of cyanobacterial glutaredoxins bioinformatics analysis and functional characterization	Dr. Shailendra Pratap Singh Department of Botany Banaras Hindu University Varanasi-221005 Uttar Pradesh	4929034
129	Life Sciences	Understanding small molecule permeation in mycobacterium tuberculosis towards rational design of drugs with penetrating scaffolds	Dr. Raju Mukherjee Department of Biology Indian Institute of Science Education and Research Tirupati-517507 Andhra Pradesh	4647170
130	Life Sciences	Assessment of SIKs (Salt-inducible) role in breast cancer An imperative for breast cancer development and treatment	Dr. Ravi Manoharan University of Madras Chennai-600005 Tamilnadu	3604480
131	Life Sciences	Helicobacter pylori infection modulates mycobacterium tuberculosis pathogenesis a role of tailored immune response	Dr. Rupesh Chaturvedi School of Biotechnology Jawaharlal Nehru University New Delhi-110067 Delhi	4290000
132	Life Sciences	Enhanced biodegradation of organic pollutants as well as micro pollutants like endocrine disrupting compounds (EDCs) from dairy farm wastewater in a single chambered microbial fuel cell	Dr. Monika Sogani Department of Civil Engineering Manipal University Jaipur-303007 Rajasthan	3009600
133	Life Sciences	Sequential release of immuno modulatory agents and tissue forming growth factors to promote wound healing in diabetics	Dr. Siddharth Jhunjhunwala Centre For Biosystems Science and Engineering Indian Institute of Science Bangalore-560012 Karnataka	4685950

134	Life Sciences	Study of the association of clinical frailty melphalan pharmacokinetics pharmacogenomic polymorphisms affecting melphalan metabolism and toxicity with transplant outcomes in myeloma patients undergoing autologous hematopoietic cell transplantation	Dr. Amol Narayan Patil Department of Clinical Pharmacology Post Graduate Institute of Medical Education & Research Chandigarh-160012 Chandigarh	2357520
135	Life Sciences	Role of nisharin in regulation of intestinal apical epithelial junction	Dr. Somesh Baranwal Department of Biochemistry and Molecular Biology Central University of Punjab Bathinda-151001 Punjab	4918448
136	Life Sciences	Understanding the metabolic compartmentalization of cancer cell and cancer associated fibroblasts	Dr. Amrita Roy School of Life Sciences BS Abdur Rahman Institute of Science and Technology Chennai-600048 Tamilnadu	3264263
137	Life Sciences	Wiskott aldrich syndrome protein (WASp) mediated epigenetic regulation of T helper (Th) cell differentiation linked to malignancies through R-loop modulation	Dr. Koustav Sarkar Department of Biotechnology SRM University Kattankulathur-603203 Tamilnadu	4445210
138	Life Sciences	Identification of novel regulators and nodes of response mediating powdery mildew sporulation on legumes	Dr. Divya Chandran Department of Plant Biology Regional Centre For Biotechnology Faridabad-121004 Haryana	3805558
139	Life Sciences	Development and evaluation of the efficacy of recombinant protein based nanovaccines against major fish pathogen, aeromonas hydrophila	Dr. Vinay Tharabenahalli Nagaraju Indian Institute of Agricultural Biotechnology Ranchi-834010 Jharkhand	4993056
140	Life Sciences	Microfluidics embedded nanostructured MEA-A tool to study prognostic multi biomarker signature in prostate cancer	Dr. Jaydeep Bhattacharya School of Biotechnology Jawaharlal Nehru University New Delhi-110067 Delhi	418151
141	Life Sciences	Mapping and identification of molecular markers associated with heat tolerance QTLs in tomato	Dr. Shyam Sundar Sharma Department of Biotechnology and Bioresources The Energy And Resources Institute New Delhi-110003 Delhi	3997080



142	Life Sciences	RhoC regulates cancer stem cells in cervical carcinoma	Dr. Sweta Srivastava Transfusion Medicine and Immunochematology ST. John's Medical College Bangalore-560034 Karnataka	4606195
143	Life Sciences	Development of edible coating from tomato and guava seed oil for shelf life extension of their fresh fruits	Dr. Swati Kapoor Punjab Agricultural University Ludhiana-141002 Punjab	2728192
144	Life Sciences	Doping of protein in Nanplanar geometry (DOPING)-a rapid and high throughput multianalyte diagnostic platform	Dr. Shibsekhar Roy Department of Biochemistry Osmania University Hyderabad-500007 Telangana	4938308
145	Life Sciences	Fronto parietal mechanisms of top down and bottom up visual attention	Dr. Sridharan Devarajan Centre For Neuroscience Indian Institute of Science Bangalore-560012 Karnataka	3647908
146	Life Sciences	Genome wide transcriptional analysis of heavy metal tolerance mechanisms in bioenergy crop <i>riscinus communis</i>	Dr. Pallavi Sharma Centre For Life Sciences Central University of Jharkhand Ranchi-835205 Jharkhand	3470500
147	Life Sciences	Identification and cloning of siderophore biosynthetic gene cluster from <i>vibrio alginolyticus</i> and heterologous expression of siderophore in <i>E. coli</i> for further characterization and utilization	Dr. Avijit Pramanik Department of Microbiology Central University of Haryana Mahendragarh-123029 Haryana	4542560
148	Life Sciences	Elucidate the epigenetic role of SOX9 in TKIs resistant non Small cell lung cancer	Dr. Bijesh Kumar Biswal Department of Life Sciences National Institute of Technology Rourkela-769008 Odisha	4106520
149	Life Sciences	Studying the translational homeostasis landscape in <i>drosophila ragile-X</i> syndrome model	Dr. Amitabha Majumdar National Centre For Cell Science Pune-411007 Maharashtra	4681728
150	Life Sciences	Evaluation of antitumor efficacy and pharmacokinetic of polymeric nanoparticle formulation targeted to cancer stem cells	Dr. Aniruddha Roy Department of Pharmacy Birla Institute of Technology and Science Pilani-333031 Rajasthan	3220012

151	Life Sciences	Nano Encapsulation of plant growth promoting rhizobacteria ( <i>Pseudomonas fluorescens</i> and <i>Bacillus subtilis</i> ) to improve its shelf life	Dr. Pon Sathyamoorthy Department of Nanoscience and Technology Tamilnadu Agricultural University Coimbatore-641003 Tamilnadu	3403941
152	Life Sciences	Defining the role of chemokine signaling and its transcriptional regulation on the patterning of infiltrating T-cell subsets to the tumor microenvironment during breast cancer progression a special focus on trafficking of Treg and Treg/dendritic cell interaction	Dr. Sougata Roychowdhury Department of Zoology University of Calcutta Kolkata-700073 West Bengal	4528480
153	Life Sciences	Virulence profiling of <i>Ascochyta blight</i> and deciphering molecular interactions with chickpea	Dr. Manjunatha L. Department of Plant Pathology Indian Institute of Pulses Research Kanpur-208024 Uttar Pradesh	3556656
154	Life Sciences	RNases and cancer decoding the role of poly (A)-specific ribonuclease (PARN) in tumorigenesis	Dr. Anirban Chakraborty Department of Molecular Genetics and Cancer Nitte University Bangalore-575018 Karnataka	3520000
155	Life Sciences	Effect of urbanization on daily clock and seasonal reproduction of song bird tree sparrow ( <i>Passer montanus</i> )	Dr. Amit Kumar Trivedi Department of Zoology Mizoram University Aizwal-796009 Mizoram	4755289
156	Life Sciences	Study of the permafrost biodiversity of the Changthang region in Ladakh	Dr. Archana Chauhan Department of Zoology Panjab University Chandigarh-160014 Chandigarh	4312562
157	Life Sciences	Deciphering the tumor suppressor function of miR-137 in glioblastoma tumors by proteomics approach	Dr. Ravindra Varma Plisetty Department of Biochemistry Sri Venkateswara College, University of Delhi New Delhi-110021 Delhi	4775000
158	Life Sciences	Relationship of serotonin pathway polymorphisms with self-harm behaviour among patients with opioid dependence	Dr. Siddharth Sarkar Department of Psychiatry and NDDTC All India Institute of Medicine Sciences New Delhi-110029 Delhi	2068000

159	Life Sciences	Coral recruits site suitability model with reference to calcareous algal diversity in palk bay India	Dr. Lakshmanan Senthilnathan Department of Harbour & Ocean Engineering Academy of Maritime Education And Training Chennai-600040 Tamilnadu	2508000
160	Life Sciences	Identification of effector proteins from generalist herbivore spodoptera littura and its targetes in arabiodopsis	Dr. Jyothilakshmi Vadasery National Institute of Plant Genome Research New Delhi-110067 Delhi	4257144
161	Life Sciences	Helicobacter pylori infection and modulation of gastrointestinal microbiome in the context of peptic ulcer and gastric cancer	Dr. Santanu Chattopadhyay Rajiv Gandhi Centre For Biotechnology Thiruvananthapuram-695014 Kerala	3470592
162	Life Sciences	Helicobacter pylori infection and modulation of gastrointestinal microbiome in the context of peptic ulcer and gastric cancer	Dr. Bhabatosh Das Cnetre for Human Microbial Ecology Translational Health Science And Technology Institute Faridabad-122016 Haryana	864000
163	Life Sciences	Title Missing	Dr. G. Senthilraja Tamilnadu Agricultural University Coimbatore-641003 Tamilnadu	3779600
164	Life Sciences	Improving thermal and inhibitor stress tolerance in yeast for cost effective secong generation bioethanol production an adaptive evolution based approach	Dr. Jitendra Kumar Saini Central University of Haryana Mahendragarh-123001 Haryana	5060000
165	Life Sciences	Neural Glial endothelial tripartite interactions unravel the basic cell cell regulatory mechanisms involved in the cental control of reproduction	Dr. Jyoti Parkash Department of Animal Sciences Central University of Punjab Bathinda-151001 Punjab	4315520
166	Life Sciences	Environmental hypertonicity and expression of different isoforms of aquaporins in air breathing singhi catfish heteropneustes fossilis	Dr. Manas Das Department of Zoology Gauhati University Guwahati-781014 Assam	5404520
167	Life Sciences	Molecular of kinesin-3 autoregulation and their biophysical measurements	Dr. Viruprakash Soppina Department of Biological Engineering Indian Institute of Technology Gandhinagar-382355 Gujarat	5314100

168	Life Sciences	Dissecting the roles of DNA binding autoinhibition post translational modification and protein partnerships in the regulation of the HOX transcription factors HOXA9 and HOXB4	Dr. Soumya De School of Biosciences Indian Institute of Technology Kharagpur-721302 West Bengal	4918322
169	Life Sciences	Expression purification and structural characterization of LnmI a non ribosomal peptide synthesis polyketide synthase from the leinamycin biosynthetic pathway	Dr. Somnath Dutta Molecular Biophysics Unit Indian Institute of Science Bangalore-560012 Karnataka	5137218
170	Life Sciences	Studies on betalain enzymes for in vitro pigment production and nanoencapsulation of betalians for nutraceutical application	Dr. Mohammad Imtiyaz Khan Department of Biotechnology Gauhati University Guwahati-781014 Assam	4755520
171	Life Sciences	Coupled pretreatment strategy to overcome the recalcitrant lignocellulosic biomass for improved biogas production	Dr. Vivekanand Centre For Energy And Environment Malviya National Institute of Technology Jaipur-302017 Rajasthan	2165020
172	Life Sciences	Development for single cell detection of transcripts and proteins in primary cells and tissue to explain variable sensitivities of body cells to DNA damaging chemotherapeutic agents	Dr. Aprotim Mazumder TIFR Centre For Interdisciplinary Sciences Hyderabad-500075 Telangana	4982451
173	Life Sciences	Hereditary spastic paraplegia An Enigma From clinical genetic signature to patient derived cellular models for disease mechanisms	Dr. Ramakrishnan Kannan Department of Psychiatry National Institute of Mental Health & Neurosciences Bangalore-560029 Karnataka	3906069
174	Life Sciences	Modeling sporadic amyotrophic lateral sclerosis using patient derived induced pluripotent stem cells	Dr. K. Vijayalakshmi Department of Neurophysiology National Institute of Mental Health & Neurosciences Bangalore-560029 Karnataka	5018544
175	Life Sciences	Design and Development of a cognitive system for leukocytes identification in hematoxylin and Eosin (H&E) Stained Rat skin images	Dr. Mukesh Saraswat Department of Computer Science & Engineering Jaypee Institute of Information Technology Noida-201307 Uttar Pradesh	2621640

176	Life Sciences	Design and development of a cognitive system for leukocytes identification in hematoxylin and eosin (H&E) stained Rat skin images	Dr. Harish Sharma Department of Computer Science And Engineering Rajasthan Technical University Kota-324010 Rajasthan	186538
177	Life Sciences	Marker Assisted pyramiding of neck blast resistance genes in basmati rice	Dr. Ranjith Kumar Ellur Division of Genetics Indian Agricultural Research Institute New Delhi-110012 Delhi	4697742
178	Life Sciences	Harnessing the therapeutic potential of lysophosphatidic acid receptors against T Cell malignacies implication of dysregulated tumor metabolism	Dr. Ajay Kumar Department of Zoology Banaras Hindu University Varanasi-221005 Uttar Pradesh	4647335
179	Life Sciences	Role of neuronal nitric oxide synthase (NOS1) in the TLR4-triggered inflammatory response via the SOCS1-p38-AP1 signaling Axis	Dr. Mirza Saqib Baig Indian Institute of Technology Indore-452011 Madhya Pradesh	5154875
180	Life Sciences	Exploring E-Protein in microglial homeostasis	Dr. Hiyaa Singhee Ghosh Department of Neurobiology and Genetics National Centre for Biological Sciences Bangalore-560065 Karnataka	3972235
181	Life Sciences	To investigation the mechanisms of Wnt protein secretion and gradient formation in polarised epithelium by live cell imaging	Dr. Varun Chaudhary Department of Biological Sciences Indian Institute of Science Education and Research Bhopal-462066 Madhya Pradesh	4783020
182	Life Sciences	Metabolic engineering of yeast for free fatty acids using CRISPR/Cas9 platform	Dr. Amit Ghosh School of Energy Science & Engineering Indian Institute of Technology Kharagpur-721302 West Bengal	4224000
183	Life Sciences	Bisphosphonate loaded calcium phosphate nanoparticles for yoT cell activation and its immunotherapeutic potential in head and neck squamous cell carcinoma	Dr. Anusha Ashokan Amrita Institute of Medical Sciences & Research Kochi-682041 Kerala	4831494

184	Life Sciences	Expanding endophytes of paris polyphylla as a model to study Co-evolution relationship with emphasis on funactional metabolities production	Dr. Natarajan Velmurugan North East Institute of Science & Technology Jorhat-785006 Assam	4378968
185	Life Sciences	Probing microtubule remodeling in tumor associated macrophages and its implication for microtubule targeted chemotherapy	Dr. Sonia Kapoor Department of Biotechnology Panjab University Chandigarh-160014 Chandigarh	4348520
186	Life Sciences	Screening and development of novel IRAK-4 (Interleukin-1 receptor (IL-1R) Associated kinase-4)Inhibitors	Dr. Dowluru Svk Kalandhar Department of Microbiology & Bionformatics Bilaspur Vishwavidyalaya Bilaspur-495009 Chhattisgrah	4159100
187	Life Sciences	Fluctuations in DNA for molecular recognition	Dr. Manas Kumar Sarangi Department of Physics Indian Institue of Technology Patna-801103 Bihar	4348335
188	Life Sciences	Investigation the association of plasmodium prine salvage pathway enzymes and metabolites with svere malaria outcomes	Dr. Pragyan Acharya Department of Biochemistry All India Institute of Medical Sciences New Delhi-110029 Delhi	4913700
189	Life Sciences	Immunotyping of taenia solium functional secretome and their proteomic identification	Dr. Amit Prasad School of Basic Sciences Indian Institute of Technology Mandi-175005 Himachal Pradesh	5385397
190	Life Sciences	Molecular insight of platinum conjugated doxorubicin theranostic system targeting apoptosis mediated genomic instability inbreast cancer cell line(s)	Dr. Kumar Ponnuchamy Department of Animal Health and Management Alagappa University Karaikudi-630003 Tamilnadu	2670799
191	Life Sciences	Identification of new genetic resources for drought tolerance from erianthus a related wild genus of sugarcane through GWAS	Dr. Valarmathi R. Division of Crop Improvement Sugarcane Breeding Institute Coimbatore-641007 Tamilnadu	4222218
192	Life Sciences	Construction of infectious clone of india citrus ringspot virus of punjab isolates and identification of viral suppressor of RNA silencing	Dr. Nandlal Choudhary Amity University Noida-201303 Uttar Pradesh	3719320
193	Life Sciences	Deciphering the molecular involved in hematopoietic perturbation induced by environmental chemical (s) using drosophila as an animal model	Dr. Anurag Sharma Nitte University Bangalore-575018 Karnataka	4429040

194	Life Sciences	Evolution of metal oxide nanoparticles as a catalyst therapeutic advantage of transition metal pseudo-peptides in organic process and DNA studies	Dr. Aravinda T. Department of Chemistry NITTE Meenakshi Institute of Technology Bangalore-560064 Karnataka	4461600
195	Life Sciences	Allele mining and development of molecular markers for lipoxygenase 3 (LOX 3) locus to improve bran quality and storability in rice ( <i>Oryza sativa</i> L.)	Dr. Haritha Bollinedi Department of Genetics Indian Agricultural Research Institute New Delhi-110012 Delhi	3311874
196	Life Sciences	Characterization of seed transmission and functional analysis of soybean yellow mottle mosaic virus for identification of viral protein required for suppression of RNAi during disease development	Dr. Nagamani Sandra Indian Agricultural Research Institute New Delhi-110012 Delhi	4444673
197	Life Sciences	Isolation and characterization of fixed oils from the Indian spices screening for novel fatty acids and Nutraceuticals	Dr. Ajay Wamanrao Tumaney Department of Lipid Science Central Food Technological Research Institute Mysore-570020 Karnataka	3920562
198	Life Sciences	Metabolic engineering of withanolide biosynthesis pathway in Indian ginseng ( <i>Withania somnifera</i> ) for enhanced withanolide accumulator	Dr. Bilal Ahmad Mir Department of Botany University of Kashmir Srinagar-190006 Jammu & Kashmir	4329600
199	Life Sciences	Development of multiple abiotic and biotic stress resistance in tomato ( <i>Solanum lycopersicum</i> L.) crop model through dual gene multiplex CRISPR/Cas9 genome editing system	Dr. Channakeshavaiah Chikkaputtaiah Department of Biotechnology North East Institute of Science & Technology Jorhat-785006 Assam	3649968
200	Life Sciences	Antidiabetic potential of combinatorial herbal formulation in high fat diet induced type 2 diabetic rats: a molecular approach	Dr. Nandhakumar Elumalai Department of Biochemistry Sri Muthukumar Medical College Hospital & Research Chennai-600032 Tamilnadu	3232159
201	Life Sciences	Isolation and characterization of sodium/calcium exchanger (NCX) family of proteins from bread wheat ( <i>Triticum aestivum</i> L.)	Dr. Santosh Kumar Upadhyay Department of Botany Panjab University Chandigarh-160014 Chandigarh	4095520

202	Life Sciences	Metaatranscriptomics driven isolation of tea root associated bacteria and their evaluation for drought tolerance properties	Dr. Sushmita Gupta The Energy And Resources Institute Guwahati-781036 Assam	4011920
203	Life Sciences	Multiscale modelling to gain mechanistic insights into glucose transporters	Dr. Nahren Manuel Mascarenhas Department of Chemistry Sacred Heart College Vellore-635601 Tamilnadu	2092695
204	Life Sciences	Characterization of basement membrane protein laminin-5 gamma-2 (LAMC2) expression and its role in the progression and metastasis of pancreatic ductal adenocarcinoma (PDAC)	Dr. Manoj Garg Department of Medical Oncology/Clinical Research Cancer Institute Chennai-600020 Tamilnadu	4919519
205	Life Sciences	Phenotyping for salinity stress of crop plants through thermal hyperspectral remote sensing	Dr. Bappa Das Natural Resource Management Central Coastal Agricultural Research Institute Goa-403402 Goa	4293724
206	Life Sciences	Understanding protein conformational dynamics using T4 lysozyme as a model system	Dr. Pramodh Vallurupalli TIFR Centre For Interdisciplinary Sciences Hyderabad-500075 Telangana	3707480
207	Life Sciences	Population genetics of <i>Gmelina arborea</i> Roxb. ex Sm in the western ghats India	Dr. Mahantappa Sangappa Sankanur Department of Forest Biology & Tree Improvement Navsari Agricultural University Barauch-392025 Gujarat	3167560
208	Life Sciences	Protein engineering and gene mining strategies for the development of thermo-acidic D-psicose 3-epimerase, useful in generating functional products.	Dr. Sudhir P Singh Center of innovative and applied Bioprocessing. Mohali-160071 Punjab	4841803
209	Life Sciences	Degenerative effects of organophosphate pesticides on the formation of an inner plexiform layer during retinal development and protective roles of growth factors in an in vitro 3D culture system derived from embryonic chick retina.	Dr T.S Gopenath Dept. of Biotechnology Vignan's Foundation For Science Technology And Research University Guntur-522213 Andhra Pradesh	3506696



210	Life Sciences	Isolation of Matricryptic peptides from marine industry waste involved in nanocrystal hydroxyapatite and fabrication of a paptide based osseointegrative implant coating	Dr. Pradipta Banerjee Dept. of Biochemistry Dayananda Sagar University Bengalore-560078 Karnataka	3440710
211	Life Sciences	Characterization of transcriptional dynamics during male and female reproductive organ developemnt in Sorghum.	Dr. Rita Sharma School of Computational & Integrative Sciences Jawaharlal Nehru University Delhi-110067 Delhi	4638480
212	Life Sciences	Miscommunication between skeletal muscle and adipose tissues as an initiating factor of diabetic condition	Dr. Naresh C Bal School of Biotechnology KIITS School of Biotechnology Bhubaneswar-751024 Odisha	4934135
213	Life Sciences	Comparative sphingolipid profiling of breast Cancer cell and Tissue Types for identification of Potential metastatic Biomarkers	Dr. Ujjaini Dasgupta Integrative sciences and Health Amity School of Engineering and Technology Gurgaon-122413 Haryana	4715480
214	Life Sciences	Metal homeostasis in bacteria: A comprehensive study understanding the role of ArsR-Smtb family of Transcriptional repressors in combating varying metal concentrations in the environment.	Dr. Rudra Saha Dept. of Biotechnology ADAMAS University Kolkata-700126 West Bengal	3495360
215	Life Sciences	Isolation of antidiabetic compounds from Alangium salvifolium,	Dr. Sunil Christudas Dept. of Pharmacology Joseph College of Pharmacy Alappuzha-688524 Kerala	2438700
216	Life Sciences	Cowpea golden mosaic disease (CPGMD) resistance Agroinfectious colone development,screeing,genetics of inheritance,molecular Tagging and Mapping for CPGMD resistance gene in cowpea by using linked markers	Dr. Rajasekhar Reddy Indian Institute of Vegetable Research Varanasi-221305 Uttar Pradesh	4471416
217	Life Sciences	Automated hand-drawn Archimedes spiral analysis platform as a tool to differentiale tremor syndromes	Dr. Roopa Ranjan Dept. of neurobiology All India Institute of Medical Sciences New Delhi-110029 New Delhi	4167568

218	Life Sciences	Smartgluco Binder:Design and Synthesis of small Glucose Binder Molecule using computational Intelligence Approach	Dr. Vijay Kumar Dept. of Computer Science and Engineering Thapar Institue of Engineering Patiala-147004 Punjab	2719200
219	Life Sciences	Optimizing Disinfection protocol for Donar Arm Cleaning prior to Whole Blood Donation.	Dr. Manish Raturi Dept. of Immunohematology & Blood Transfusion Kasturba Medical College Manipal-576104 Karnataka	4118675
220	Life Sciences	Reducing acrylamide froming potential of wheat using natural and genome editing induced genetic variation at TaASN2 locus.	Dr. Yadhu Suneja Dept. of Biochemistry Punjabi Agricultural University Ludhiyana-141004 Punjab	3887648
221	Life Sciences	Study of spatial diversity and drifting behaviour of macrozoobenthic fauna in different oders of Major Tributaries of Ganges riverine system in the Himalayan region.	Dr. Pankaj Bahuguna Dept. of Zoology A.P.B Govt college -246421 Uttarakhand	3189209
222	Life Sciences	Unravelling the role of root cap-specific mannose-binding lectin proteins in root development and their implication in shaping the plant response to enviromental cues.	Dr. Eswarayya Ramireddy Dept. of Biology Indian Institute of Science Education and Research Karakambadi-517507 Andhra Pradesh	5202560
223	Life Sciences	Identification of Quantitative trait Loci and Underlying Candidate Genes for Seed Dormancy and Pre-harvest sprouting Tolerance in Common Wheat.	Dr. Sachin Kumar0Dept. Of genetics and Plant Breeding Choudhary Charan Singh University Meerut-250005 Uttar Pradesh	5247872
224	Life Sciences	Mapping oxidative stress pathways in mammalian cells by chemical Proteomics and metabolomics	Dr. Siddhesh Shashikant Kamat Dept. of Biology & Chemistry IISER Pune-411008 Maharashtra	4692671
225	Life Sciences	Does Sciurid resouse to human habitat modifications mimic climate change? A study of Demographic response on the highest mountains of western Ghats.	Dr. Nandini Rajamani Dept. of Biology IISER Karakambadi-517507 Andhra Pradesh	4234996
226	Life Sciences	Structural Dynamics of the Voltage Sensor During Lipid-Dependent Gating in Potassium Channels	Dr. H. Raghuraman Saha Institute of Nuclear Physics Bindhan-700064 West Bengal	3151087

227	Life Sciences	Discovery of new natural product based chemotype inhibitors for histone methyltransferase G9A and their role in cancer therapy and stem cell biology.	Dr. Sajad Hussain Syed Cancer Pharmacology Indian Institute of Integrative Medicine Jammu & Kashmir-180001 Jammu & Kashmir	4917299
228	Life Sciences	Investigation and characterization of protective immune responses generated against novel vaccine candidates isolated from non-albicans Candida species in murine systemic candidiasis.	Dr. Soma Rohatgi Dept. of Biotechnology Indian Institute of Technology-Roorkee Roorkee-247667 Uttarakhand	4398581
229	Life Sciences	Comprehensive characterization of PIF-family of transcription factors for abiotic stress signaling in crop plants	Dr. Aashish Ranjan NIPGR New Delhi-110067 New Delhi	4307769
230	Life Sciences	Biochemical and pharmacological evaluation, molecular characterization of Paris polyphylla Smith (Melanthiaceae) landraces from Eastern Himalayan Region of India for addressing livelihood issues	Dr. Pallavi Kalita Hui National Institute of Technology, Arunachal Pradesh -791111 Arunachal Pradesh	3691238
231	Life Sciences	Investigation of non-coding genome mediated gene expression regulation in celiac disease	Dr. Sabyasachi Senapati Central University of Punjab Bathinda-151001 Punjab	4681732
232	Life Sciences	Oro-gustatory sensing of dietary lipids and CD36 genetic polymorphism in obese subjects in India: Implication in prevention of obesity development	Dr. Selvakumar Subramaniam Dept. of Biochemistry Bharathidasan University Coimbatore-641046 Tamilnadu	4484122
233	Life Sciences	Fermentative production of GABA enriched kombucha a value added functional plant beverage (FPB) from underutilized fruits	Dr. Gayathry Guna Vijayan Department of Agricultural Microbiology Agricultural College and Research Institute Coimbatore-641003 Tamilnadu	2232241
234	Life Sciences	HDAC inhibitors genome wide dynamics of healthy aging in Caenorhabditis elegans	Dr. Neeraj Kumar All India Institute of Medical Sciences New Delhi-110029 Delhi	5228080

235	Life Sciences	harnessing the potential of neo glycoconjugates in antigen cross presentation for effective CD8+T cell Response in cancer	Dr. Rajesh Kumar Gupta Department of Biotechnology Dr.DY Patil Biotechnology & Bioinformatics Institute Pune-411033 Maharashtra	4002027
236	Life Sciences	Transcriptome wide characterization of the MADS-box gene family in vanda cristata wall ex lindl (Orchidaceae)	Dr. Jaspreet Kaur Department of Botany Panjab University Chandigarh-160014 Chandigarh	3579400
237	Life Sciences	Identification of suitable serum proteomic biomarkers based elec trochemical immunosensor for diagnosis of endometriosis	Dr. Saikat Kumar Jana Department of Biotechnology National Institute of Technology Papumpare-791111 Arunachal Pradesh	3330510
238	Life Sciences	Enhancing gut health and immunological functions in broilers through convergence of biotechnological and nutritional interventions	Dr. Gopi M. Central Avian Research Institute Bareilly-243122 Uttar Pradesh	4235802
239	Life Sciences	Enhancing gut health and immunological functions in broilers through convergence of biotechnological and nutritional interventions	Dr. Gopi M Central Avian Research Institute Bareilly- Uttar Pradesh	4235802
240	Life Sciences	Molecular profiling for evaluation of medicinal values of meat of scylla serrata and pila globosa	Dr. Biswaranjan Paital Department of Zoology Orissa University of Agricultural & Technology Bhubneshwar-751003 Odisha	4370520
241	Life Sciences	Synthesis low cost materials for the removal of arsenic and flouride from the ground water and wastewater	Dr. Jiwan Singh Department of Environmental Sciences Babasdaheb Bhimrao Ambedkar University Lucknow-226015 Uttar Pradesh	1282413
242	Life Sciences	Molecular understanding of orphan rice landraces and their utilization	Dr. Alagu Manickavelu Department of Genomic Science Central University of Kerala Kasaragod-671123 Kerala	4713060
243	Life Sciences	Integrative approach for identification of disease genes of type II diabetes	Dr. Sushmita Paul Department of Biology Indian Institute of Technology Jodhpur-342011 Rajasthan	2676520

244	Life Sciences	Multi Analyte nano engineered Quantum dot based fluorescent biosensors for clinical quantification of biomarkers in diabetes related kidney diseases	Dr. Abhijeet B. Joshi Center For Biosciences and Biomedical Engineering Indian Institute of Technology Indore-452011 Madhya Pradesh	4232822
245	Life Sciences	Evaluation of HLA-G gene polymorphisms in rheumatoid arthritis	Dr. Manoj Lama Department of Zoology Gaur Banga University Malda-782103 West Bengal	4524960
246	Life Sciences	Isolation and Characterization of Active rinciples form indian borage (Plectranthus ambionicus and their hypocholesterolemic potential in high fat diet fed rats	Dr. Sundaram Ramalingam Central research Laboratory Meenakshi Academy of High Education and Research Chennai-600092 Tamilnadu	3513455
247	Life Sciences	Molecular and immunometabolic implications in leishmania infected macrophages during early hours of infection	Dr. Puneet Raina Department of Zoology DAV College Chandigarh-160010 Chandigarh	4466834
248	Life Sciences	Investigation the role of IFT52 and EXOC6B in human biology and disease using cell culture and drosophila systems	Dr. Priyanka Upadhyay Department of Medical Genetics Kasturba Medical College Manipal-576104 Karnataka	5152733
249	Life Sciences	Systems anlsysis of photoautotophic metabolic phenotypes of plants in response to stress	Dr. Shyam Kumar Masakapalli School of Basic Sciences Indian Institute of Technology Mandi-175005 Himachal Pradesh	5092560
250	Life Sciences	A Study on the role of small non coding RNA's in diabetic heart disease	Dr. Allen John Freddy Department of Zoology Madras Christian College Chennai-600059 Tamilnadu	4581307
251	Life Sciences	Production of enzyme nanoparticle based biocathode for biofuel cell	Dr. Maninak Mukhopadhyay Department of Engineering JIS University Kolkata-700109 West Bengal	1501500
252	Life Sciences	Development and application of indirect enzyme linked mmunosorbent assay for serological survey japanese encephalitis virus infection in equines	Dr. Baldev Raj Gulati Health Unit National Research Centre on Equines Hisar-125001 Haryana	702000
253	Life Sciences	Development and application of indirect enzyme linked mmunosorbent assay for serological survey japanese encephalitis virus infection in equines	Dr. Himani Dhanze Department of Veterinary Public Health Indian Veterinary Research Institute Bareilly-243122 Uttar Pradesh	2779056

254	Life Sciences	A Genomic and Biochemical Analysis of Mitochondrial Respiratory Chain Biogenesis	Dr. Alok Ghosh Dept. of Biochemistry Calcutta University Kolkata-700073 West Bengal	5309480
255	Life Sciences	Studies on role of 14-3-3 proteins in the ovary of Parkes strain mice in normal and pathophysiological condition.	Dr. Ajit Singh Dept. of Zoology Banaras Hindu University Varanasi-221005 Uttar Pradesh	5500000
256	Life Sciences	Structure-function relationship and engineering of immunoglobulin super-family (IgSF) proteins: from mechanisms to therapeutics	Dr. Dibyendu Samanta School of Biosciences Indian Institute of Technology Kharagpur-721302 West Bengal	5005000
1	Physical & Mathematical Sciences	Studies on effect of Sn as dopant in FeMnGe and CoMnGe based magnetocaloric materials	Dr. Satnam Singh Bhamra Department of Physics Baba Farid College Bathinda-151001 Punjab	1254000
2	Physical & Mathematical Sciences	Atomic Sheet based Electronic applications: A theoretical perspective	Dr. Sudipta Dutta Department of Physics Indian Institute of Science Education and Research Tirupati-517507 Andhra Pradesh	3377931
3	Physical & Mathematical Sciences	Studying phase transition and cooling in neutron star under strong magnetic fields	Dr. Ritam Mallick Department of Physics Indian Institute of Science Education And Research- Bhopal Bhopal-462023 Madhya Pradesh	1461470
4	Physical & Mathematical Sciences	Probing spin dependent interface at transition metal/organic molecule interfaces	Dr. Karthik V Raman Tata Institute of Fundamental Research Mumbai-500075 Maharashtra	4050000
5	Physical & Mathematical Sciences	Label Free Cancer detection using white light quantitative phase microscopy (QPM)	Dr. Basanta Bhaduri Indian School of Mines Dhanbad-826004 Jharkhand	4941163
6	Physical & Mathematical Sciences	A Program On Jet substructure physics towards novel tools & Methods for high energy physics Energy Physical Colliders	Dr. Tuhin Subhra Roy Department of Theoretical Physics Tata Institute of Fundamental Research Mumbai-400005 Maharashtra	2428539

7	Physical & Mathematical Sciences	Surface Acoustic Wave Microfluidics: micro particle patterning to biosensors	Dr. Dileep Mampallil Department of Physics Indian Institute of Science Education And Research Tirupati-517507 Andhra Pradesh	4375162
8	Physical & Mathematical Sciences	Growth of Catalyst free GaN and its ternary alloyed (Al, In) nanostructures using plasma enhanced laser ablation (Pela) technique	Dr. Suhas Madhav Jejurikar University of Mumbai Mumbai-400098 Maharashtra	4029874
9	Physical & Mathematical Sciences	Visible Light Driven Photocatalysis of Textile Dyes using Indium Sulphide quantum dot metal nanoparticles embedded in nafion membrane	Dr. Anita R. Warrie Department of Physics Academy of Maritime Education And Training Chennai-600040 Tamilnadu	1877303
10	Physical & Mathematical Sciences	Fabrication of single phase and composite nanostructured multiferroic thin films for spintronic device applications	Dr. Raneesh B. Department of Physics Catholicate College Pathanamthitta-689645 Kerala	4602950
11	Physical & Mathematical Sciences	Digging new information from the planck cosmic microwave background mission public data	Dr. Rishi Khatri Department of Theoretical Physics Tata Institute of Fundamental Research Mumbai-400005 Maharashtra	3564000
12	Physical & Mathematical Sciences	Investigation of photodoping effect in complex oxide thin films and multilayers	Dr. Vivek Kumar Malik Department of Physics Indian Institute of Technology Roorkee-247667 Uttarakhand	4728706
13	Physical & Mathematical Sciences	Preparation and analysis of zinc tin phosphide nanocrystal films for solar cell application	Dr. Yekkoni Lakshmannan Jeyachandran Department of Physics Bharathiar University Coimbatore-641046 Tamilnadu	3377648
14	Physical & Mathematical Sciences	At the Interface of analytic number theory and special functions	Dr. Atul Abhay Dixit Indian Institute of Technology Ahmedabad-382424 Gujarat	1486980
15	Physical & Mathematical Sciences	Stability and stabilization of random impulsive control systems	Dr. Vinod Kumar Arumugam Department of Mathematics Amrita Vishwa Vidyapeetham Coimbatore-641105 Tamilnadu	1501500

16	Physical & Mathematical Sciences	Collisions, Coalescences and Fragmentation of Droplets in Turbulent Flow The Role Turbulence in Triggering Rain	Dr. Samriddhi Sankar Ray International Centre For Theoretical Sciences Bangalore-560012 Karnataka	2612304
17	Physical & Mathematical Sciences	Numerical Investigation of some Momentum and heat transfer problems in complex Nanofluids	Dr. Rajesh Kumar Sharma Department of Mathematics National Institute of Technology Hamirpur-177005 Himachal Pradesh	1662084
18	Physical & Mathematical Sciences	Proton Tomography For mitigating Range Uncertainties in Proton Therapy for cancer Treatments	Dr. Deepak Samuel Department of Physics Central University of Karnataka Gulbarga-585106 Karnataka	1962180
19	Physical & Mathematical Sciences	Investigation of the magnetic electric and magnetocaloric properties fo spinel based transition metal oxides	Dr. Debraj Choudhury Department of Physics Indian Institute of Technolog Khagarpur-721302 West Bengal	3282533
20	Physical & Mathematical Sciences	Ultrafast light driven dynamics in two dimensional materials	Dr. Sunil Kumar Department of Physics Indian Institute of Technology New Delhi-110016 Delhi	5060000
21	Physical & Mathematical Sciences	Non linear algebra and lie algebroid approaches to quantum field theories	Dr. Shreecharan Tangirala Department of Physics IC FAI Foundation For Higher Education Hyderabad-501203 Telangana	732600
22	Physical & Mathematical Sciences	Study of quantum chromodynamics phase diagram and bulk properties in heavy ion collisions	Dr. Lokesh Kumar Department of Physics Panjab University Chandigarh-160014 Chandigarh	1741190
23	Physical & Mathematical Sciences	Nano Crystalline Calcium Manganate based thermoelectric oxides for efficient waste heat recovery	Dr. Venkata Saravanan K. Department of Physics Central University of Tamilnadu Thiruvavarur-610001 Tamilnadu	3911600
24	Physical & Mathematical Sciences	Investigation of the physical properties of cobaltate hetrostructures at nanoscale for energy storage application and electron correlated materials	Dr. Rajendra Singh Dhaka Department of Physics Indian Institute of Technology New Delhi-110016 Delhi	4752000



25	Physical & Mathematical Sciences	Design And Analysis of content Distribution Framework for Digital Rights Management Systems based on Cryptographic primitives	Dr. Dheerendra Mishra Department of Mathematics LNM Institute of Information Technology Jaipur-303012 Rajasthan	1507809
26	Physical & Mathematical Sciences	Acoustical Thermodynamic Spectroscopic and computational investigation on enviromental friendly Green solvents	Dr. Madhu Mohan Tadavarthi Department of physics Vasireddy Venkatadri Institute of Technology Guntur-522508 Andhra Pradesh	3394600
27	Physical & Mathematical Sciences	Tailorable plasmonic metamaterial substrates gold and beyond	Dr. Neha Sardana Nano Structured Devices Institute of Nano Science And Technology Mohali-160047 Punjab	5035360
28	Physical & Mathematical Sciences	Time resolved spectroscopic investigation of carrier dynamics in organic semiconductor thin films	Dr. Jayeeta Bhattacharyya Department of Physics Indian Institute of Technology Chennai-600036 Tamilnadu	4908110
29	Physical & Mathematical Sciences	Solution processed organic solar cells with inverted configuration for the imporved photovoltaics	Dr. Aneesh PM Department of Physics Central University of Kerala Kasargod-671123 Kerala	4370515
30	Physical & Mathematical Sciences	Development three dimensional architecturally engineered nano electrocatayst for fuel cell applications	Dr. Rupali Nagar Department of Applied Sciences Symbosis Institute of Technology Pune-412115 Maharashtra	3911600
31	Physical & Mathematical Sciences	Seamless synthesis of large area 2D transition metal di-chalcogenide semiconductors and their application in next generation high performance optoelectronic devices	Dr. Santanu Das Department of Ceramic Engineering Indian Institute of Technology Varanasi-221005 Uttar Pradesh	4989600
32	Physical & Mathematical Sciences	Large area der waals epitaxial heterostrutures based on atomically thin transition metal dichalcogenide (TMDC) 2D crystals for optoelectronic applications	Dr. Senthilkumar E. SRM University Kattankulathur-603203 Tamilnadu	4824600
33	Physical & Mathematical Sciences	Exploring and exploiting novel properties of high pressure phase of Si for fabrication of low cost lightweight and high efficiency photovoltaic cells	Dr. Kiran Mangalampalli SRM University Kattankulathur-603203 Tamilnadu	3528930

34	Physical & Mathematical Sciences	On Characterizing and obtaining the complete efficient solution set of an interval optimization problem under a D-Dominance and a variable dominance structure	Dr. Debdas Ghosh Department of Mathematics Indian Institute of Technology Varanasi-221005 Uttar Pradesh	1502500
35	Physical & Mathematical Sciences	Experimental Investigation of ferroelectric nanostructures exhibiting a giant electrocaloric effect	Dr. Chandrashekharpatri Tripathi Department of Physics Rajasthan University Jaipur-302005 Rajasthan	3752100
36	Physical & Mathematical Sciences	Solid State NMR and Computational study to probe the structural defects and ion conduction mechanistic features in anti perovskite based electrolyte materials	Dr. Bholanath Pahari Department of Physics Goa University Goa-403208 Goa	2827240
37	Physical & Mathematical Sciences	Microfluidic methods for the synthesis of monodisperse nematic and cholesteric liquid crystal emulsions for the applications in display and fiber optic technology	Dr. Jayalakshmi Vallamkondu Department of Physics National Institute of Technology Warangal-506004 Telangana	5204100
38	Physical & Mathematical Sciences	Development of heteroatom doped nanoporous graphene gel and its stable nanohybrid for wearable energy textile	Dr. Uday Narayan Maiti Department of Physics Indian Institute of Technology Guwahati-781039 Assam	5190548
39	Physical & Mathematical Sciences	Fabrication And Testing of tandem layered quantum dot sensitized cell with elevated absorption	Dr. Ranjith G. Nair Department of Physics National Institute of Technology Silchar-788010 Assam	2513390
40	Physical & Mathematical Sciences	Perovskites based low cost and high efficiency hybrid halide solar cells	Dr. Chhagan Lal Department of Physics Rajasthan University Jaipur-302005 Rajasthan	2244410
41	Physical & Mathematical Sciences	Modeling Dynamics and benefits of marine protected areas	Dr. Bapan Ghosh Department of Mathematics National Institute of Technology Shillong-793003 Meghalaya	1469600
42	Physical & Mathematical Sciences	Strong Electromagnetic field produced in heavy ion collisions and hot and dense QCD matter	Dr. Vinod Chandra Department of Physics Indian Institute of Technology Ahmedabad-382424 Gujarat	1686960

43	Physical & Mathematical Sciences	Understanding the device physics of solution processed solar cell from earth abundant Cu <sub>2</sub> ZnSn(S/Se) <sub>4</sub> materials	Dr. Sudip Kumar Batabyal Amrita Vishwa Vidyapeetham University Coimbatore-641105 Tamilnadu	3032080
44	Physical & Mathematical Sciences	Studies on TASEP related phenomena	Dr. Anjan Kumar Chandra Department of Physics Malda College Malda-732101 West Bengal	1960810
45	Physical & Mathematical Sciences	Computational and theoretical studies on parabolic partial differential equations in cancer modelling	Dr. Shangeraganesh Lingeswaran National Institute of Technology Goa-403401 Goa	1607100
46	Physical & Mathematical Sciences	Probing beyond standard model physics at the large hadron collider and future circular collider	Dr. Joydeep Chakraborty Department of Physics Indian Institute of Technology Kanpur-208016 Uttar Pradesh	2019600
47	Physical & Mathematical Sciences	Optical Manipulation and tapping single gold shell encapsulated semiconductor quantum dots and applications towards bioimaging	Dr. Sudhir Cherukulappurath Department of Physics Goa University Taleigao plateau-403208 Goa	4855770
48	Physical & Mathematical Sciences	Study of Co/Ni multilayers and Co-Tb alloys based bit patterned media based on auto assembled anodic alumina hexagonal nanobump arrays for hard disk drive applications	Dr. Sandeep Kumar Srivastava Department of Physics Central Institute of Technology Kokrajhar-783370 Assam	3763530
49	Physical & Mathematical Sciences	Vector bundles satisfying the point property	Dr. Sanjay Kumar Singh Department of Mathematics Indian Institute of Science Education and Research Bhopal-462066 Madhya Pradesh	1563000
50	Physical & Mathematical Sciences	Development of a novel flux coupled optomechanical system and demonstration of single strong coupling limit	Dr. Vibhor Singh Department of Physics Indian Institute of Science Bangalore-560012 Karnataka	5099600
51	Physical & Mathematical Sciences	Thin Film thermocouples for energy harvesting of waste heat	Dr. Manoj R. Department of Physics Government Engineering College Thrissur-680009 Kerala	3614600

52	Physical & Mathematical Sciences	Magnetism and spin orbit interaction at complex oxide interface for technology an ab intio investigation	Dr. Nirmal Ganguli Department of Physics Indian Institute of Science Education And Research Bhopal-462066 Madhya Pradesh	4725600
53	Physical & Mathematical Sciences	A High Selctive label free multi walled carbon nanotube/ferrocene hybridized chemiresistive biosensor for low level detection (pico molar ) of mercury (II)and silver (I) in aqueous medium	Dr. Subrata Majumder Department of Physics National Institute of Technology Patna-800005 Bihar	2235200
54	Physical & Mathematical Sciences	Fabrication and study of superconducting nanorods	Dr. Padala Missak Swarup Raju Department of Physics Gandhi Institute of Technology and Management Visakhapatnam-530045 Andhra Pradesh	2422880
55	Physical & Mathematical Sciences	Electrical properties of amyloid peptides and their interaction with lipid membranes	Dr. Bharat Kumar Department of Physics Central University of Karnataka -585106 Karnataka	4510000
56	Physical & Mathematical Sciences	Metal oxide nanocomposites for BTEX sensor application	Dr. P. Nagaraju Department of Physics CMR Technical Campus Hyderabad-501401 Telangana	2860000
57	Physical & Mathematical Sciences	The Finite Density QCD phase diagram from lattice QCD	Dr. Prasad Satish Hegde Centre For High Energy Physics Indian Institute of Science Urban-560012 Karnataka	2089590
58	Physical & Mathematical Sciences	Coplexity and its control in nonlinear dyamical systems	Dr. Anuraj Singh Department of Mathematics Atal Bihari Vajpayee Indian Institute of Information Technology And Management Gwalior-474015 Madhya Pradesh	1557580
59	Physical & Mathematical Sciences	Dynamics of low energy anti fibrillation pacing unpinning pinned roating waves using far field electric pulses	Dr. Shajahan Thamara Kunnathu Department of Physics National Institute of Technology Mangalore-575025 Karnataka	2850100

60	Physical & Mathematical Sciences	Non-Ideal quantum measurement and universally valid error disturbance trade of relation	Dr. Alok Kumar Pan Department of Physics National Institute of Technology Patna-800005 Bihar	1599180
61	Physical & Mathematical Sciences	Game Theoretic Approach of modeling antibiotic drug resistance as self reinforcing process by social by social factors and economic growth	Dr. Samit Bhattacharyya Department of Mathematics Shiv Nadar University Gautam Budh Nagar-203207 Uttar Pradesh	1854600
62	Physical & Mathematical Sciences	Addressing the challenges in designing the thermoelectric materials using new class 3D Dirac semimetal system and Boltzmann transport theory	Dr. Bhargavi K. S. Department of Physics Siddaganga Institute of Technology Tumkur-572103 Karnataka	1632675
63	Physical & Mathematical Sciences	Theoretical Study on the control over the dynamics of fundamental solitons soliton trains ring solitons vortices and solitonic vortices in atomic and molecular BECs and also in ultracold fermionic system	Dr. Moumita Gupta Department of Physics Gangarampur College Dashin Dinajpur-733124 West Bengal	570900
64	Physical & Mathematical Sciences	Theoretical of the electronic structure optical and magnetic properties of graphene quantum dots	Dr. Tista Basak SVKM's NMIMS Mumbai-400056 Maharashtra	3754850
65	Physical & Mathematical Sciences	Novel cost effective approach for creating permanent optical storage devices synthesis characterization and application	Dr. Gurumurthy Hegde BMS College of Engineering Bangalore-560019 Karnataka	3853054
66	Physical & Mathematical Sciences	Polymer Thermoelectric nanocomposites for green energy conversion	Dr. Latha Kumari Department of Physics BMS College of Engineering Bangalore-560019 Karnataka	2525215
67	Physical & Mathematical Sciences	Scanning tunneling microscopy studies on metalloporphyrins and phthalocyanines decorated on 2D platform	Dr. Sarnyan Vijayaraghavan Central Electro Chemical Research Institute Karaikudi-630006 Tamilnadu	4049240
68	Physical & Mathematical Sciences	Photoionization and electron scattering dynamics of free and confined atomic systems	Dr. Jobin Jose Department of Physics Indian Institute of Technology Patna-801103 Bihar	2558170
69	Physical & Mathematical Sciences	Graphene -silicon nanowire based schottky junction solar cells for enhanced light harvesting	Dr. Vivek Kumar Department of Physics National Institute of Technology Shillong-793003 Meghalaya	5157394

70	Physical & Mathematical Sciences	Seeded femtosecond nanoplasmas for accelerated neutral atom beams applied to nanolithography	Dr. Sivarama Krishnan Department of Physics Indian Institute of Technology Chennai-600036 Tamilnadu	4977500
71	Physical & Mathematical Sciences	Role of topological parameters in quantum gravity and potential phenomenological ramifications	Dr. Sandipan Sengupta Department of Physics Indian Institute of Technology Kharagpur-721302 West Bengal	1662100
72	Physical & Mathematical Sciences	Design and experimental explorations on phase change All photonic memory (DEEPAM)	Dr. Rajesh Kumar Department of Physics Indian Institute of Technology Roorkee-247667 Uttarakhand	4611378
73	Physical & Mathematical Sciences	Fabrication of inorganic/Organic Heterojunctions for optoelectronic Devices	Dr. Pragati Kumar Department of Nano Sciences and Materials Central University of Jammu Jammu-18002 Jammu & Kashmir	3944600
74	Physical & Mathematical Sciences	The Co-Evolution of supermassive black holes with dark matter in the universe	Dr. Suchetana Chatterjee Department of Physics Presidency University Kolkata-700073 West Bengal	1376100
75	Physical & Mathematical Sciences	Self Assembled nanoporous block copolymer membranes for gas separation	Dr. Kamalendra Awasthi Department of Physics Malviya National Institute of Technology Jaipur-302017 Rajasthan	2860000
76	Physical & Mathematical Sciences	Cost Effective hand held medical device for real time intraoperative scanning application at operation bedside	Dr. Sudhesh Kumar Singh Department of Physics Indian Institute of Science Education and Research Thiruvananthapuram-695016 Kerala	3174600
77	Physical & Mathematical Sciences	Study of derived length and nilpotency class of group algebras	Dr. Harish Chandra Department of Applied Science Madan Mohan Malviya University of Technology Gorakhpur-273008 Uttar Pradesh	545290

78	Physical & Mathematical Sciences	Towards New Platform on generalized vector variational inequalities scope in optimization and bilevel programming	Dr. Balendu Bhooshan Upadhyay Department of Basic Sciences and Humanities National Institute of Technology Imphal-795004 Manipur	1494350
79	Physical & Mathematical Sciences	Investigation into a portable, quantitative, multimodal, optical fiber probe-based spectroscopic tool for skin tissue analysis	Dr. SHINOJ V K UNION CHRISTIAN COLLEGE ALUVA- Kerala	2699653
80	Physical & Mathematical Sciences	Synthesis and Characterization of nanostructured magnetic metal oxide-based materials for solar cell applications	Dr. RIMA THAKUR NATIONAL INSTITUTE OF TECHNOLOGY PATNA PATNA-800005 Bihar	2140600
81	Physical & Mathematical Sciences	Investigation of semiconductor/electrolyte interfaces by impedance spectroscopy and photo-transient measurement	Dr. MONOJIT BAG INDIAN INSTITUTE OF TECHNOLOGY ROORKEE ROORKEE-247667 UTTARAKHAND	2200000
82	Physical & Mathematical Sciences	Colossal multiferroic nanostructured materials for miniaturizing engineering devices	Dr. NARSINGA RAO GADE M L R INSTITUTE OF TECHNOLOGY AND MANAGEMENT HYDERABAD-500043 TELANGANA	4901875
83	Physical & Mathematical Sciences	Modeling of Cosmic Acceleration from (R) Theory of Gravitation	Dr. SANASAM SURENDRA SINGH NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR IMPHAL-795004 Manipur	682000
84	Physical & Mathematical Sciences	A Study of Some analytic and computational aspects of chern-weil theory	Dr. VAMSI PRITHAM PINGALI INDIAN INSTITUTE OF SCIENCE BANGALORE-560012 Karnataka	542290
85	Physical & Mathematical Sciences	High-pressure studies on magnetically doped topological insulators and topological superconductors	Dr. Manoj Kumar Physics Malviya National Institute of Technology Jaipur-302017 Rajasthan	4061990
86	Physical & Mathematical Sciences	Development of an optimal planning framework for cryosurgical treatment of tumor tissues via mathematical modeling and Numerical Simulations	Dr. Sonam Singh Cluster Innovation Centre University of Delhi North Campus New Delhi-110007 Delhi	2026885

87	Physical & Mathematical Sciences	Integration of Novel 2D Materials with Functional Oxides for New Functionalities: A Raman Spectroscopic Study	Dr. Surajit Saha Physics Indian Institute of Sciences Education And Research Bhopal-462066 Madhya Pradesh	4806725
88	Physical & Mathematical Sciences	Development of aggregation operators for fusion of uncertain Data A special emphasis to interrelated data and information measures of uncertain data	Dr. Debashree Guhaadhya Department of Mathematics Indian Institute of Technology Patna-801103 Bihar	1434950