

Science & Engineering Research Board

List of YSS Projects Sanctioned in the Year 2016-17

S. No.	Sub Area	Project Title	PI Details	Total Cost
1	Chemical Sciences	Graphene Based Metal Oxides Nanostructures/Nanocomposites for water splitting using photoelectrochemical Conversion of solar energy	Dr.. Suman Upadhyay Departement of Chemistry Indian Oil Corporation Limited Faridabad-121001 Haryana	3303000
2	Chemical Sciences	COT island inside two fused corrols: Unique photophysical propeties and application for water oxidation, O ₂ reduction and anti tumor activities	Dr.. Susovan Bhowmik Indian Association For The Cultivation of Science Kolkata-700032 West Bengal	3672000
3	Chemical Sciences	Organocatalytic enantioselective synthesis of biologically active heteroaryl compounds	Dr.. Vijayalaxmi Somarapu Department of Chemistry K L University Vijayawada-522502 Andhra Pradesh	1551000
4	Chemical Sciences	Novel Multichromophoric gold complexes for photocatalytic applications	Dr.. Jai Anand Garg Indian Institute of Technology Chennai-600036 Tamilnadu	3498000
5	Chemical Sciences	Functional Model for Nitric oxidase reductase	Dr.. Kuntal Pal Calcutta University Kolkata-700073 West Bengal	2662000
6	Chemical Sciences	Ion/Molecular mediated supramolecular polymers in organic and aqueous medium	Dr.. Roymon Joseph Indian Institute of Technology Thiruvananthapuram-695022 Kerala	3828000
7	Chemical Sciences	Synthesis and post self assembly functionalization of Re and Ru based metallacycles and its effect on the photophysical and electrochemical properties	Dr.. Deepak Gupta Bhaskaracharya College of Applied Science New Delhi-110075 Delhi	2329000
8	Chemical Sciences	Functionalization of novel calix(4)arene fluorescence probe for recognition of molecular ions	Dr.. Pinkeshkumar Gopalbhai Sutariya Department of Chemistry Bhavans IL Pandya Arts Science College Kheda-388225 Gujarat	2398000
9	Chemical Sciences	Nano Sciences at liquid interfaces study on the formation and properties of various novel types of ionic liquid based microemulsions	Dr.. Kamalakanta Behera Department of Chemistry Jamia Millia Islamia New Delhi-110025 Delhi	3388000

10	Chemical Sciences	Decoration of plasmonic nanoparticles on ultrathin 2D nanostructures of metal chalcogenides and their application in photoelectrochemical water splitting and photocatalysis	Dr.. Mrinmoyee Basu Birla Institute of of Technology And Science-Pilani Pilani-333031 Rajasthan	1982000
11	Chemical Sciences	Formulation of stimuli responsive artificial light harvesting systems	Dr.. Smritimoy Pramanik Calcutta University Kolkata-700073 Bihar	2992000
12	Chemical Sciences	Synthesis of 1,2,4-Dioxazinane Bis-1,2,4-Dioxazinane 1,2,4-Trioxanes And Their Sugar Analogues	Dr.. Ved Prakash Verma Banasthali Vidyapith Tonk-304022 Rajasthan	2772000
13	Chemical Sciences	Phenalenyl-based transition metal free C-H Activation	Dr.. Rupankar Paira Department of Chemical Sciences Maharaja Manindra Chandra College Kolkata-700003 West Bengal	2552000
14	Chemical Sciences	Design And Development of novel aza-sugars and glycohydrides as potential biodynamic agents	Dr.. Dhananjay Kumar University of Delhi New Delhi-110007 Delhi	3435000
15	Chemical Sciences	MIL incorporated metal carbon hybrid nanostructures from agrowaste for efficient water purification	Dr.. Jintendra Kumar Punjab University Chandigarh-160014 Chandigarh	4055000
16	Chemical Sciences	Tools to detect metal ions and reactive oxygen species (ROS)	Dr.. Atul Pratap Singh Department of Chemistry Amity School of Engineering And Technology New Delhi-110061 Delhi	2568000
17	Chemical Sciences	Development of new synthetic strategies for C-C bond formations under metal free oxidative conditions	Dr.. Satish Kumar Singh Department of Chemistry Dr.B.R.Ambedkar Institute of Technology Port Blair-744103 Andaman And Nicobar	2992000
18	Chemical Sciences	Design and Synthesis of photosensitizers based templates for the production of reactive oxygen and nitrogen species by light irradiation	Dr.. Praveen Kumar Verma Indian Institute of Science Education And Research Chandigarh-140306 Chandigarh	3510000
19	Chemical Sciences	Hydroamination And Hydroarylation of Lefins Catalyzed by Electrophilic Platinum Complexes	Dr.. Rajesh Kunjnilai ST.Albert College Chochin-682018 Kerala	2222000
20	Chemical Sciences	Plasmonic Ionic Liquid crystal stabilized nanocluster for optical devices	Dr.. Nageshwar D. Khupse Centre For Materials For Electronics Technology Pune-411008 Maharashtra	3272000

21	Chemical Sciences	Disgning of multifunctional non covalent metal organic framework constructed from benzimidazole naphthimidazole pyridinol and pyridine carbaldehyde based ligands	Dr.. Rashmi Avinash Agarwal Department of Chemistry Indian Institute of Technology Kanpur-208016 Uttar Pradesh	3278000
22	Chemical Sciences	Tuning the reactivity of metal oxygen intemediates in C-H activation and water oxidation	Dr.. Achintesh Narayan Biswas Department of Chemistry National Institute of Technology Ravangla-737139 Sikkim	3339000
23	Chemical Sciences	Lateral Flow Assay Strip Sensor Development For Non-Invasive Point Of Care Diagnosis Of Urinary Tract Infection	Dr.. Aditya Sharma The NorthCap University Gurgaon --122017 Haryana	
24	Chemical Sciences	Photophysical Study Of Electrospun Nanofibers Incorporated With Nanomaterials For Environmental Remediation	Dr.. Anil Hanumant Gore Rajarshi Chatrapati Shahu College -416005 Maharashtra	
25	Chemical Sciences	Developing novel nano-magnet supported imidazole-phosphines: synthesis and catalytic application in CH activation reactions	Dr.. S. Saravanakumar Alagappa University Karaikudi-630003 Tamilnadu	3320000
26	Chemical Sciences	Fusion and planarization of porphyrins dimers and trimers for near-IR applications	Dr.. Gokulnath Sabapathi Division of Inorganic And Physical Chemistry Indian Institute of Science Education And Research Thiruvananthapuram-695016 Kerala	2530000
27	Chemical Sciences	Room Temperature Carbon nanotube based gas sensor for monitoring of environmental/industrial pollutants	Dr.. Prabhash Mishra Department of Chemistry Jamia Millia Islamia New Delhi-110025 Delhi	2530000
28	Chemical Sciences	Development and use of polythyleneglycol (PEG) Conjugated multifunctional cyanine dye for detection of cancer cells and targeted drug delivery	Dr.. Sudeshna Sawoo Department of Chemistry Seth Anandram Jaipur College Kolkata-700005 West Bengal	2530000
1	Earth & Atmospheric Sciences	Post LGM Sedimentation Pattern and Environment Change in the great rann of kachchh basin, Western India	Dr. Niteshkumar N. Khonde Division of Physical Research Laboratory M.S.University of Baroda Vadodara-390002 Gujarat	2992000
1	Engineering Sciences	Assesment of wetting and heat transfer characteristics of edible and non edible vegetable oils for industrial heat treatment	Dr. Ramesh G. Department of Metallurgy And Materials Engineering Rajiv Gandhi University of Knowledge Technologies Hyderabad-500028 Telangana	2605000

2	Engineering Sciences	Numerical and experimental investigations on laser melting of Cp titanium powder	Dr. Kurian Antony Mechanical Engineering Institute of Technology And Science Kochi-682308 Kerala	1460000
3	Engineering Sciences	Development of an idigenous feedstock suitable for metal injection moding manufacturing process	Dr. Ravi Bollina Mechanical Engineering Mahindra Ecole Centrale Hyderabad-500074 Telangana	3226600
4	Engineering Sciences	An Excellent Alternative For Solar Energy Conversion Bandgap tuning of multiferroic oxide thin films	Dr. Pravin Sopanrao University of Mumbai Mumbai-400098 Maharashtra	2558600
5	Engineering Sciences	Three Dimensional (3D) All Solid State Microbatteries using Electrophoretic deposition	Dr. Ezhil Jothinathan Nanoscience And Technology PSG Institute of Advanced Studies Coimbatore-641004 Tamilnadu	3251600
6	Engineering Sciences	Physical Layer Security of cognitive radio networks	Dr. Ajay Singh Electronics And Telecommunication Engineering National Institute of Technology Hamirpur-177005 Himachal Pradesh	1244100
7	Engineering Sciences	Blind Symbol timing offset (STO) and carrier frequency offset (CFO) Estimation and Implementation over OFDM, and MIMO-SC-FDMA Testbed	Dr. Sudhan Majhi Department of Elecrical Engineering And Mathematics Indian Institute of Technology- Patna Patna-800013 Bihar	2579622
8	Engineering Sciences	Resorcinol-Formaldehyde derived graphitized carbon Xerogel as high capacity anode for lithium ion Battery	Dr. Chandra Shekhar Sharma Department of Chemical Engineering Indian Institute of Technology- Hyderabad Hyderabad-502205 Telangana	3086600
9	Engineering Sciences	Fate And Transport of Alumina Nanoparticles in the sub-surface environment	Dr. Mrudula Pulimi Centre for Nanobiotechnology Vellore Institute of Technology Vellore-632014 Tamilnadu	2701600
10	Engineering Sciences	Investigation of performance and control of small rotorcrafts during indoor missions	Dr. Ranjith Mohan Department of Aerospace Engineering Indian Institute of Technology- Chennai Chennai-600036 Tamilnadu	2537496

11	Engineering Sciences	Experimental investigation of combined thermoelectric generator and concentrating photovoltaic module receiver with secondary reflectors in a solar parabolic dish concentrator system for electric power generation	Dr. Sendhil Kumar Natarajan Mechanical Engineering National Institute of Technology Karaikal-132001 Puducherry	1228700
12	Engineering Sciences	Development of the green and sustainable cement composites utilizing hydrogen rich water a green approach to speed up the construction process	Dr. Sumit Chakraborty Indian Institute of Engineering Science And Technology Howrah-711103 West Bengal	2644715
13	Engineering Sciences	Development of a computer assisted surgical methodology for orthopedic bone surgery	Dr. Pandithevan P. Department of Mechanical Engineering Indian Institute of Information Technology Chennai-600127 Tamilnadu	2154055
14	Engineering Sciences	Performance Investigation of green composite a Formulated microbial organism based bio resin	Dr. Rajini N. Department of Mechanical Engineering Kalasalingam Academy of Research And Higher Education Virudunagar-626190 Tamilnadu	2314070
15	Engineering Sciences	Protein based bioactive scaffolds: A combinatorial approach towards bone tissue engineering	Dr. Mamoni Dash National Institute of Science Education And Research- Bhubaneswar Bhubaneswar-751005 Odisha	3294500
16	Engineering Sciences	Experimental Investigation on heat transfer enhancement using nano fluids in MINI/MICRO channels application to cooling of electronic components	Dr. Divya Haridas Department of Mechanical Engineering Indian Institute of Technology- Bombay Mumbai-400076 Maharashtra	3900600
17	Engineering Sciences	Design and development of the reconfigurable plasma antenna	Dr. Rana Pratap Yadav Department of Electronics and Communication Engg. Thapar Institute of Engineering & Technology Patiala-147004 Punjab	2547600
18	Engineering Sciences	Study the effect of parallel hashing algorithms and the use of digital footprints for security and fast digital forensic investigation	Dr. Neha Kishore Department of Computer Science And Engineering Chitkara University Solan-174103 Himachal Pradesh	1297595

19	Engineering Sciences	Removal of burrs and recast layer in micro and macro machining processes	Dr. Ajay M. Sidpara Department of Mechanical Engineering Indian Institute of Technology-Kharagpur Kharagpur-721302 West Bengal	2112000
20	Engineering Sciences	Minimizing defection induced surface errors in End Milling of thin walled components	Dr. Kaushal A. Desai Department of Mechanical Engineering Indian Institute of Technology Jodhpur-342011 Rajasthan	1534040
21	Engineering Sciences	Silicon Nonowires professional compact model of scaled thermoelectric figure of merit for energy harvesting	Dr. Rekha Verma Department of Electronics and Communication Engg. Indian Institute of Information Technology Allahabad-211012 Uttar Pradesh	2109800
22	Engineering Sciences	Development of prototype fuel cell battery hybrid energy system for DC Traction Motor	Dr. Sanjib Ganguly Department of Electrical Engineering Indian Institute of Technology Guwahati-781039 Assam	2222000
23	Engineering Sciences	Studies on Composite based piezoelectric nano fibrous web for its potential application in enrgy harvesting	Dr. Wazed Ali Department of Textile Technology Indian Institute of Technology-Delhi New Delhi-110016 Delhi	2844600
24	Engineering Sciences	Heat Transfer Enhancement using brine based nanofluids	Dr. Sandipkumar Balasaheb Sonawane Department of Mechanical Engineering NDMVP Samaj's KBGT College of Engineering Nandurbar-422013 Maharashtra	1902850
25	Engineering Sciences	Climate change impacts on regional evapotranspirationflux and variability of climatological and hydrological droughts	Dr. Shaik Rehana International Institute of Information Technology Hyderabad-500032 Telangana	1133620
26	Engineering Sciences	Energy storge/Production using vandium redox flow batteres experimental and computaitonal studies	Dr. Milan Kumar Department of Chemical Engineering Rajiv Gandhi Institute of Petroleum Technology Rae Bareli-229316 Uttar Pradesh	2158200

27	Engineering Sciences	Studies on Homogenous charge glow plug ignition (HCGI) for small engines (2/3 wheelers)	Dr. Himabindu Mendu Department of Mechanical Engineering Indian Institute of Science Bangalore-560012 Karnataka	3039688
28	Engineering Sciences	Development of advanced techniques for the analysis of remotely sensed images	Dr. Swarnayoti Patra Computer Science And Engineering Tezpur University Tezpur-784011 Assam	2151600
29	Engineering Sciences	Influence of secondary heat in friction stir welding mechanical properties and metallurgical observations	Dr. Anirban Bhattacharya Department of Mechanical Engineering Indian Institute of Technology Patna-800013 Bihar	1603250
30	Engineering Sciences	Reliability based seismic design of structures incorporating soil structure interaction	Dr. Rajib Saha Department of Civil Engineering National Institute of Technology Agartalla-799046 Tripura	2651000
31	Engineering Sciences	Studies on leather solid waste polymer composites for acoustic application	Dr. Sudhakara Posa Central Leather Research Institute Chennai-600020 Tamilnadu	2303420
32	Engineering Sciences	Performance Evaluation of cellular networks in unlicensed spectrum co-existing with WiFi	Dr. Abinav Kumar Department of Electrical Engineering Indian Institute of Technology- Hyderabad Hyderabad-502205 Telangana	2296930
33	Engineering Sciences	Ultra-low Power Performance Investigations in Carbon Nanotube Based Interconnects	Dr. Rohit Dhiman National Institute of Technology Hamirpur-177005 Himachal Pradesh	1395680
34	Engineering Sciences	Local Composite geotextile mats of soil and water conservation in western Rajasthan	Dr. Anand Krishnan Plappally Department of Mechanical Engineering Indian Institute of Technology Jodhpur-342011 Rajasthan	2151600
35	Engineering Sciences	Land Degradation risks assessment and monitoring in Manipur, India a multi scale approach	Dr. Bakimchandra Oinam Department of Civil Engineering National Institute of Technology Manipur-795004 Imphal	1624590
36	Engineering Sciences	Corrosion and impedance study of Ti-Nb alloy foams developed by powder metallurgy technique	Dr. Shashi Bhushan Arya Metallurgical and Materials Engg. National Institute of Technology Mangalore-575025 Karnataka	1881000

37	Engineering Sciences	Fabrication of novel ceramic composites by Microwave sintering	Dr. Rajaannamalai A. School of Mechanical And Building Sciences VIT University Vellore-632014 Tamilnadu	2169310
38	Engineering Sciences	Electroless Plating on Textile materials for Wearable Electronics, EMI Shielding and Decorative printing Applications	Dr. Asfiya Qais Department of Chemical Engineering Institute of Chemical Technology Mumbai-400019 Maharashtra	2205500
39	Engineering Sciences	Nano Optoelectronic sensing platform based on slot waveguide for fast and efficient lab on chip applications	Dr. Mukesh Kumar Electronics And Communication Engineering Indian Institute of Technology Indore-452011 Madhya Pradesh	2624600
40	Engineering Sciences	Enhancement of heat transfer using silicon carbide nanoparticles and whiskers based nanofluids	Dr. Kavitha Narayanan Department of Chemical Hindustan Institute of Technology And Science Kanchipuram-600016 Tamilnadu	2736800
41	Engineering Sciences	Development and Characterization of Anodized heat pipes for Electronic cooling Applications	Dr. A.Brusly Solomon Department of Mechanical Engineering Karunya University Coimbatore-641114 Tamilnadu	2318200
42	Engineering Sciences	Sequestration of carbon dioxide for the sythesis of value added products using micronial catalyzed electrochemical system	Dr. Velvizhi Gokuladoss Department of Bioengineering and Environmental Sciences Indian Institue of Chemical Technology Hyderabad-500007 Telangana	3973320
43	Engineering Sciences	Colour Barcoded, gold nanoparticles coated, Embeded, magnetic microparticle for lab on chip localized surface plasmon based label free multiplexed biossays	Dr. Amit Prabhakar Indian Institute of Information Technology Allahabad-211012 Uttar Pradesh	3222600
44	Engineering Sciences	A Microfluidic based point of care cardiate marker (Troponin 1) detection system for early detection of acute Myocardial Infraction	Dr. Ashish Mathur Amity University Noida-201301 Uttar Pradesh	2712000
45	Engineering Sciences	High-Value Coproduct strategy of cyan obacteria biomas production Utilization Gardcinia Camogia Spent Wash In a Nano porous Latex Wetted wall Freeze Thaw photo Bioreactor	Dr. R.Ravi Kumar Bannari Amman Institute of Technology Erode-638401 Tamilnadu	1506600

46	Engineering Sciences	Development of a Multiscale Numerical Approach to investigation The Origin of Indentation size effect	Dr. Prabhat K. Agnihotri Indian Institute of Technology-Ropar Rupnagar-140001 Punjab	2376200
47	Engineering Sciences	Development of Low Cost Copper-Oxide Solar cells And Module By Magnetron Sputtering & Effect of Silver Nanoparticles Incorporation on The Solar Cell Performance	Dr. Babibuddin Shaik Nitte Meenakshi Institute of Technology Bangalore-560064 Karnataka	3395700
48	Engineering Sciences	Electron Energy level estimation of Diluted Magnetic Qunatum Nano Hetero Structures	Dr.Ch. Rajesh K L University Guntur-522502 Andhra Pradesh	3451800
49	Engineering Sciences	Design and optimization of magnetic resonance coupling based wireless charging system for electric vehicles	Dr. Satyanarayan Bhuyan Department of Electronics And Instrumentation Engineering Siksha O Anusandhan University Bhubaneshwar-751010 Odisha	3104200
50	Engineering Sciences	Evaluation of Voltage stability index in Distributed photovoltaic system	Dr. M.Senthil Kumar Sona College of Technology Salem-636005 Tamilnadu	2569600
51	Engineering Sciences	Development Experimental study And Multi Objective Optimization of Electrical Discharge Drilling (EDD) Process	Dr. Sanjeev Kumar Singh Yadav Harcourt Butler Technological Institute Kanpur-208002 Uttar Pradesh	2778600
52	Engineering Sciences		Dr. P. Srinivas Indian School of Mines Dhanbad- Jharkhand	2876000
53	Engineering Sciences	Performance evaluation of emulsified bitumen and cement trated bases	Dr. S. Shankar Department of Civil Engineering National Institute of Technology Warangal-506004 Telangana	3049000
54	Engineering Sciences	Relization of fractance device	Dr. B.T. Krishna Department of Electronics And Communication Engineering Jawaharlal Nehru Technology University Kakinada-533003 Andhra Pradesh	1637000
55	Engineering Sciences	Development and characterzation of macoadhssive nasal spray formulation for antiemetic drug Delivery	Dr. Kapil Khatri Ravishankar College of Pharmacy Bhopal-462010 Madhya Pradesh	2593000
56	Engineering Sciences	Development of compact fiber optic interferometric sensor for the detection of fuel adulteration	Dr. Gopinath Mudhana Division of Physics VIT University Chennai-600127 Tamilnadu	1810000

57	Engineering Sciences	Vertical expansion of existing municipal solid waste (msw) landfills using retention system	Dr. B.Munwar Basha Department of Civil Engineering Indian Institute of Technology Hyderabad-502205 Telangana	1336000
58	Engineering Sciences	Analytical solution for boundary layer stresses in piezoelectric plates with longitudinally functionally graded materials	Dr. Poonam Kumari Department of Mechanical Engineering Indian Institute of Technology Guwahati-781039 Assam	2396020
59	Engineering Sciences	Enhanced in situ desorption and degradation of 2,4,6 trinitrotoluene (TNT) in the subsurface	Dr. M. Devasena Department of Civil Engineering Sri Krishna College of Technology Coimbatore-641042 Tamilnadu	2071000
60	Engineering Sciences	Novel nano materials for energy and nano electronics	Dr. Gobinda Gopal Khan Department of Material Science & Engineering Tripura University Agartala-799022 Tripura	970000
1	Life Sciences	Studies on Loecular Crosstalk between endopasmic reticulum and mitochondria in brain damage after stroke	Dr. Venkata Prasuja Nakka Department of Biotechnology & Bioinformatics University of Hyderabad Hyderabad-500046 Telangana	3256000
2	Life Sciences	Identification, Expression analysis and comparative study of TIR-NBS-LRR gene analogs from potato against early blight disease by Alternaria solani	Dr. Kunal Singh Department of Biotechnology Institute of Himalayan Bioresources Technology Palampur-176061 Himachal Pradesh	3176000
3	Life Sciences	Vaccine adjuvant Co-delivery with food allergen via intestinal mucosa as a novel allergen-specific immunotherapy approach to food allergy	Dr. Kiran Kumar Mudnakudu Nagaraju Institute for Stem Cell Biology And Regenerative Medicine Bangalore-560065 Karnataka	3920000
4	Life Sciences	Implementing genomics approaches for breeding high yielding genotypes with enhanced resistance to yellow mosaic in mungbean (Vigna radiata (L) wilczekl	Dr. Chandra Mohan Singh Indian Institute of Pulses Research Kanpur-208024 Uttar Pradesh	3250000
5	Life Sciences	Development of Biofilm Inhibitor From Derivatives of Andrographolide	Dr. Dijendra Nath Roy Department of Bioengineering National Institute of of Technology-Agartala Agartala-799046 Tripura	1815000

6	Life Sciences	Construction and application of recobinat strain of bacillus subtilis for industrial acale production of a commercially important enzyme alkaline -protease	Dr. Ranjeet Singh Department of Environement and Industrial Biotechnology The Energy And Resources Institute New Delhi-110003 Delhi	3231000
7	Life Sciences	Assessment of biomass, carbon stock and species diversity of epiphytic bryophytes along an Altitudinal gradient in Kedarnath wildlife sanctuary (KWLs) Uttarakhand	Dr. Yateesh Mohan Bahuguna Gobind Ballabh Pant Institute of Himalayan Enviromental And Development Almora-263643 Uttarakhand	3057500
8	Life Sciences	Autoantibody Response And Indentification of tumor associated antigens in gallbladder carcinoma-Immunoproteomics approach	Dr. Poonam Gautam Department of Tumor Biology National Institute of Pathology New Delhi-110029 Delhi	2951000
9	Life Sciences	Deciphering the role of casein kinase 2 in mesial temporal lobe epilepsy	Dr. Arpna Srivastava Centre of Excellence for Epilepsy All Indian Institute of Medical Sciences New Delhi-110029 Delhi	4155000
10	Life Sciences	Understanding the role and mechanism of fisetin on MTH-1 mediated DNA damage and repair pathways: implication on targeted therapy against cancer	Dr. Vandana Prajapati Jamia Millia Islamia New Delhi-110025 Delhi	4046000
11	Life Sciences	Involvement of gper and growth factor singaling in the developmnet of resistance to anti -estrogen therapy in breast cancer during hypoxia	Dr. Selvaraju Sudhagar Madras University Chennai-600005 Tamilnadu	2640000
12	Life Sciences	Studies of therapeutic potential of endothelial cells and angiogenic properties in hepatocellular carcinoma	Dr. Sampa Ghose Amity University Noida-201303 Uttar Pradesh	3026000
13	Life Sciences	Unique Enzymatic Consortium of Highly stable catalysts for enhancement of Bio-ethanol production	Dr. Smriti Shrivastava Amity University Noida-201303 Uttar Pradesh	3128000
14	Life Sciences	Assessment of maternal, reproductive and fetal toxicity induced by intrauterine exposure of carbonacedous nanomaterials like graphen and carbon nanotubes	Dr. Manish Singh Institute of Nano Science And Technology Mohali-160047 Punjab	2224000
15	Life Sciences	Isolation of polyethylene microorganisms form different sites of chhattisgarh and their optimization for commerical use	Dr. Mamta Patra Shahi Bilaspur University Bilaspur-495001 Chhattisgarh	3155000

16	Life Sciences	Understanding molecular mechanisms of capsicum annum L and cucumber mosaic virus interaction through transcriptomics	Dr. Cn Lakshminarayana Reddy Plant Pathology University of Agricultural Sciences Bangalore-560065 Karnataka	2676000
17	Life Sciences	Preparation of fish protein hydrolysate having bio active properties and its use in food formulations	Dr. Mamatha Bangera Sheshappa Department of Food Science And Technology St.Aloysius College Mangalore-575003 Karnataka	2331000
18	Life Sciences	Identification and characterization of microRNA involve in regulation of Brassinosteroids function in plant	Dr. Gunjan Sirohi 'N' Ee Kumari Guru Gobind Singh Indraprastha Vishwavidyalaya New Delhi-110006 Delhi	3355000
19	Life Sciences	Generation of germ cell deficient male/goat (capra hircus) using CRISPR/Cas-9 for Biomedical and agricultural applications	dr. Pawan Kumar Dubey Centre for Genetic Disorders Banaras Hindu University Varanasi-221005 Uttar Pradesh	2236000
20	Life Sciences	Biding kinetics & interaction analysis of pertuzumab in complex with isolated extracellular domain II (sHER2 dII) & domain IV (sHER2 dIV) of human epidermal growth factor receptor 2(sHER2): structural implications in the inhibition of HER2/HER3 mediated di	Dr. Dokala Appaji Department of Medicinal & Bio-Organic Chemistry Vishnu Institute of Pharmaceutical Education & Research Narsapur-502313 Telangana	2788700
21	Life Sciences	Time is on your side the important of short photoperiod in reproduction of bird	Dr. Namram Sushindrajit Singh Cotton College State University Guwahati-781001 Assam	2360000
22	Life Sciences	Prognostic significance of miR-34a in respect of NF- κ B p53 expression in different stage /grade of female genital and gonal cancer	Dr. Debarshi Jana Department of Gynecology & Obstetrics Institute of Post Graduate Medical Education And Research Kolkata-700020 West Bengal	2720000
23	Life Sciences	Molecular identification and characterization of cucumber mosaic virus infecting vegetable crops	Dr. Mahesh Kumar Molecular And Genetic Engineering Bihar Agricultural University Bhagalpur-813210 Bihar	3240000
24	Life Sciences	Gene differential expression studies in regular and irregular bearing mango varieties	Dr. Nimisha Sharma Indian Agricultural Research Institute New Delhi-110012 Delhi	2090500

25	Life Sciences	Mesenchymal stem cells exert neuroprotection in cerebral stroke by modulating autophagy	Dr. Syed Shadab Raza Department of Biotechnology ERS'S Lucknow Medical College And Hospital Lucknow-226003 Uttar Pradesh	2845040
26	Life Sciences	Studies on the role of anthropogenic cues in the foraging shift of honey bees and its impact on plant pollination at various ecosystems of Tamilnadu	Dr. Saravanan Soorangkattan Centre For Biodiversity And Forest Studies Alagappa University Karaikudi-630003 Tamilnadu	3349500
27	Life Sciences	Estimation of carbon stockpile of woody plants in point calimere wildlife and bird sanctuary, Tamil Nadu, Peninsular India	Dr. Muthulingam Udayakumar Presidency University Chennai-600005 Tamilnadu	3487000
28	Life Sciences	Identification of virulence factors involved in the infection process of emerging and neglected food borne pathogen campylobacter jejuni	Dr. Asani Bhaduri Cluster Innovation Centre University of Delhi Delhi-110007 Delhi	1980000
29	Life Sciences	Structural and biophysical characterization of bacterial cell division protein FtsZ from salmonella enterica: antimicrobial drug target	Dr. Ethayathulla Abdulsamath Department of Biophysics All Indian Institute of Medical Sciences New Delhi-110029 Delhi	3308000
30	Life Sciences	Understanding molecular basis of myopathy in lafora neurodegenerative disease	Dr. Rashmi Parihar Biological Sciences And Bioengineering Indian Institute of Technology- Kanpur Kanpur-208016 Uttar Pradesh	4375000
31	Life Sciences	Nanomaterial based biosensing for detecting hypoxia and induction of angiogenesis	Dr. Soumya S. J. University of Kerala Thiruvananthapuram-695034 Kerala	3825000
32	Life Sciences	Isolation of active compound from lysimachia ramosa and in vitro test in helminth model parasite	Dr. Markiyoo Challam North Eastern Hill University Shillong-793022 Meghalaya	3775000
33	Life Sciences	Molecular Modeling and docking studies of deguelin and its derivatives with cell cycle arrest, apoptosis and anti-angiogenesis pathway protein in cancer cells signaling pathways	Dr. Venkateswara Swamy Kakumani DR.D Y Patil Biotechnology And Bioinformatics Institute Pune-411003 Maharashtra	1764250
34	Life Sciences	Diversity of ACC deaminase producers in the rhizosphere of cajanus cajan in stressed agricultural environments	Dr. Shilpi Sharma Department of Biochemical Engineering and Biotechnology Indian Institute of Technology- Delhi Delhi-110016 Delhi	3229000

35	Life Sciences	Studies on conversion of marine trash fish and processing wastes into a high value agro product	Dr. H. Ann Suji CAS in Marine Biology Annamalai University Annamalainagar-608502 Tamilnadu	1880000
36	Life Sciences	Improvements of enzyme activity, stability and selective biotransformation properties of nitrilase from streptomyces sp MTCC 7546 via chemical and molecular approach	Dr. Amit Kumar Khandelwal Amity University Jaipur-303002 Rajasthan	2370000
37	Life Sciences	Genetic Management of captive red panda (<i>Ailurus fulgens</i>) populations in India implications in conservation breeding and reintroduction programmes	Dr. Lalit Kumar Sharma Forest Research Institute Dehradun-248006 Uttarakhand	3698000
38	Life Sciences	Circadian clock mediated regulation of migratory physiology in long distant migratory birds	Dr. Devraj Singh National Institute of Science Education And Research- Bhubaneswar Bhubaneswar-751005 Odisha	3993000
39	Life Sciences	Understanding the management of cognitive dysfunction in rats with Alzheimer's disease (AD)-like condition using luteolin phospholipid complex	Dr. Amit Alexander Department of Pharmaceutics Rungta College of Pharmaceutical Sciences & Research Durg-490024 Chhattisgarh	1608935
40	Life Sciences	Identification of molecular species that have potential to compete with insulin for receptor binding	Dr. Vijay Kumar Singh Central University of South Bihar Patna-800014 Bihar	1320000
41	Life Sciences	Detection and Extraction of Aflatoxin M1 and ochratoxin A with the help of molecular imprinted polymer	Dr. Gulab Singh Central University of Haryana Mahendragarh-123029 Haryana	3511200
42	Life Sciences	Dynamics of Circulatory microRNA profile among motile and impaired bull spermatozoa a novel approach to discover biomarkers	Dr. Rani Singh Department of Animal Genetics And Breeding Central Institute for Research on Cattle Meerut-250001 Uttar Pradesh	4298000
43	Life Sciences	Molecular investigation of similarities and disparities in temperature perception and thermo tolerance pathways in rice	Dr. Manoj Kumar Jawaharlal Nehru University New Delhi-110067 Delhi	4370000
44	Life Sciences	Study on the biodiversity industrial pollution and distribution and bioaccumulation of natural radionuclides from Pulicat lagoon south east coast of India	Dr. Raju Krishnamoorthy Jamal Mohamad College Tiruchirappalli-620021 Tamilnadu	1670000

45	Life Sciences	Antihyperammonemic Effect of lycopene on hyperammonemic wistar rats	Dr. Subash Selvaraju Madras University Chennai-600005 Tamilnadu	4040000
46	Life Sciences	Assessment on the utility of water hyacinth (<i>Eichhornia Crassipes</i>) biomass as potential biosorbent for sequestration of heavy metals from tannery effluent and desorption of chromium from biosorbent for effective reuse	Dr. Parameswari Ettiyagonder Department of Environmental Sciences Horticultural College and Research Institute Teni-641664 Tamilnadu	1712000
47	Life Sciences	Analysis of salt tolerance in grapevine through transcriptomic and proteomic approach and functional validation of key genes responsible for salinity tolerance in transgenic <i>Arabidopsis thaliana</i>	Dr. Priyanka Das Bose Institute Kolkata-700009 West Bengal	3812000
48	Life Sciences	Tibolone for osseointegration in osteoporosis	Dr. Nishant Chakravorty School of Medical Science & Technology Indian Institute of Technology Kharagpur-721302 West Bengal	1801800
49	Life Sciences	Development of microbial biocatalyst by heterologous expression of hpaC and socABC gene cluster in biosurfactant producing bacterium for effective desulfurization of dibenzothiophene	Dr. Gangavarapu Subrahmanaym Central Muga Eri Research and Training Institute Jorhat-785700 Assam	2871000
50	Life Sciences	Exploring the role of G-quadruplex motifs in mycobacterium tuberculosis	Dr. Tani Agarwal Department of Biotechnology Amity University Gurgaon-122413 Haryana	3036000
51	Life Sciences	Identification of epigenetic signatures of embryonic stem cells derived from nuclear transfer embryos	Dr. Monika Saini Division of Animal Physiology and Reproduction Central Institute for Research On Buffaloes Hisar-125001 Haryana	3488000
52	Life Sciences	Development and application of an amperometric D-sorbitol biosensor based on sorbitol dehydrogenase immobilized onto nanoparticles (NPs) modified electrode	Dr. Geeta Singh Biomedical Engineering Deen Badhu Chhotu Ram University of Science and Technology Sonapat-131001 Haryana	2346000
53	Life Sciences	Complex vocal communication in a social passerine jungle babbler (<i>Turdoides striata</i>), in relation to its social and physical environment	Dr. Manjari Jain Biological Sciences Indian Institute of Science Education and Research Mohali-140306 Punjab	2282000

54	Life Sciences	Multiplexed ultrasensitive detection of cardiac biomarkers by graphene field effect transistor (G-FET): Cardiosensor	Dr. Vinod Kumar Indian Institute of Technology Varanasi-221005 Uttar Pradesh	3828000
55	Life Sciences	Identification and evaluation of functional significance of HPV-16 variants in disease progression and immune response	Dr. Anoop Kumar National Institute of Biological Noida-201303 Uttar Pradesh	2127500
56	Life Sciences	Design and Development of herbicide to regain sensitivity in phalaris minor resistant Biotypes	Dr. Durg Vijay Singh Department of Bioinformatics Central University of South Bihar Patna-800014 Bihar	3095500
57	Life Sciences	Development of conformationally intact immunogen against malaria	Dr. Manish National Institute of Malaria Research New Delhi-110054 Delhi	3757500
58	Life Sciences	Platelet Nanoprotein Refining Therapy by preventing Bleeding and Thrombosis in Cancer Management	Dr. Suryani Deb University of Calcutta Kolkata-700073 West Bengal	4158000
59	Life Sciences	Comparative secretome analysis of wood rotting fungi for enhancement of bioprocesses efficiency	Dr. Bhuvnesh Shrivastava Panacea Biotech Ltd New Delhi-110044 Delhi	1847625
60	Life Sciences	Influence of Multidrug transporter p-glycoprotein (p-gp) & CYP3A4 on intestinal drug absorption and disposition from rats in situ technique for anti cancer drugs	Dr. Shankaraiah Puligilla Department of Pharmacology Chaitanya College of Pharmacy Education And Research Hyderabad-506001 Telangana	2292000
61	Life Sciences	To Explore the Role of Eosinophils in the Development of tissue remodeling and fibrosis in the pathology of asthma	Dr. Rituraj Nirajan Department of Biological Sciences & Bioengineering Indian Institute of Technology- Kanpur Kanpur-208016 Uttar Pradesh	3320000
1	Physical & Mathematical Sciences	First Principles characterization of metal nanowires for sensing and energy harvesting applications	Sanjeev Kumar Gupta Department of Physics And Electronics St.Xavier's College Ahmedabad-380009 Gujarat	1722600
2	Physical & Mathematical Sciences	Fusion Fission dynamics in low energy heavy ion reactions	Raj Kumar Akal University Bhathinda-151302 Punjab	2728000
3	Physical & Mathematical Sciences	Importance of electron-electron correlation for the understanding and application of 2D and bulk transition metal dichalcogenides	Tanmoy Das Department of Physics Indian Institute of Science Bangalore-560012 Karnataka	1359600

4	Physical & Mathematical Sciences	Three dimensional InGaN hierarchical nanowires as photocatalyst for splitting applications	Sundaravenkatesh Perumalsamy Department of Physics Sri S. Ramasamy Naidu Memorial College Virudunagar-626203 Tamilnadu	2619100
5	Physical & Mathematical Sciences	Structurally manipulated stannate nanostructures for magnetic and optoelectronic applications	Sandeep Chhoker Department of Physics and Material Science Jaypee Institute of Information Technology Noida-201307 Uttar Pradesh	1098900
6	Physical & Mathematical Sciences	Nonlinear waves and instabilities in relativistically degenerate plasmas	Manoj Kumar Deka Department of Applied Sciences Gauhati University Guwahati-781014 Assam	2703800
7	Physical & Mathematical Sciences	Semilocal convergence analysis of iterative methods in Banach spaces using recurrence relations and its generalized computational efficiency	Jai Prakash Jaiswal Department of Mathematics Maulana Azad National Institute of Technology Bhopal-462003 Madhya Pradesh	1500950
8	Physical & Mathematical Sciences	Photonic Crystal Fibers of generation and manipulation of beams carrying orbital angular moments and vector beams	Rakhi Bhattacharya School of Physics University of Hyderabad Hyderabad-500046 Telangana	3516900
9	Physical & Mathematical Sciences	Effect of size on the superconducting properties of films assembled in nanocluster form in elemental superconductors Al, Pb and Nb	Deepshikha Jaiswal Nagar Department of Physics Indian Institute of Science Education And Research - Thiruvananthapuram Thiruvananthapuram-695016 Kerala	2306880
10	Physical & Mathematical Sciences	Entanglement in Landauer like systems	Auditya Sharma Department of Physics Indian Institute of Science Education And Research-Bhopal Bhopal-462066 Madhya Pradesh	1583172
11	Physical & Mathematical Sciences	Computational studies on binary oxide nanoclusters and their applications in catalysis	Selvarengan Paranthaman Department of Physics Kalasalingam Academy of Research And Higher Education Virudhunagar-626190 Tamilnadu	1907400
12	Physical & Mathematical Sciences	Development of an encryption algorithm for secure transmission of color images	Manish Kumar Department of Mathematics Birla Institute of Technology And Science-Pilani Hyderabad-500078 Telangana	1508053

13	Physical & Mathematical Sciences	Multi Wavelength investigation of AGN feedback in group and clusters of galaxies covering a wide range of redshifts	Mahadev Baburao Pande Department of Physics And Electronics Dayanand Science College Latur-413512 Maharashtra	2692800
14	Physical & Mathematical Sciences	Construction of optical logic gates using soliton collisions and the study of electrical solitons in nonlinear transmission lines	M. Vijayajayanthi Department of Physics B S Abdur Rahman University Chennai-600048 Tamilnadu	3244034
15	Physical & Mathematical Sciences	Studies on Existence and blow up of solution of partial differential Equations	Karthikeyan S. Department of Mathematics Periyar University Karuppur-636011 Tamilnadu	439560
16	Physical & Mathematical Sciences	Ball Mill Synthesis and large area deposition route for quaternary $Cu_2ZnSn(S,Se)_4$ solar cell absorber	P. Malar SRM University -Kattankulathur Kattankulathur-603203 Tamilnadu	2348167
17	Physical & Mathematical Sciences	Geometry of moduli of real parabolic bundles	Sanjaykumar Hansraj Amrutiya Department of Mathematics Indian Institute of Technology- Gandhinagar Gandhinagar-382424 Gujarat	566380
18	Physical & Mathematical Sciences	On Automorphisms of finite group	Surjeet Kour Department of Mathematics Indian Institute of Technology Ahmedabad-382424 Gujarat	1490670
19	Physical & Mathematical Sciences	Mathematical Modelling of thin film coating flows	Shalindra Kumar Singh Engineering Mechanics Unit Jawaharlal Nehru Centre For Advanced Scientific Research Bangalore-560064 Karnataka	2644056
20	Physical & Mathematical Sciences	Certain on univalent and harmonic mappings	Vasudeva Rao Allu Department of Mathematics Indian Institute of Technology- Kharagpur Kharagpur-721302 West Bengal	1530100
21	Physical & Mathematical Sciences	Glass free magneto dielectric materials for LTCC applications	Subodha G. Department of Physics Kerala University Thiruvananthapuram-695034 Kerala	3119600
22	Physical & Mathematical Sciences	Multi-peta watt laser plasma interactions: A new frontier physics	Bhuvanesh Ramakrishna Department of Physics Indian Institute of Technology Hyderabad-502205 Telangana	2254680
23	Physical & Mathematical Sciences	Mathematical Study of noise induced Transitions in Ecological and Eco epidemiological models	Partha Sarathi Mandal Department of Mathematics National Institute of Technology Patna-800005 Bihar	1550506

24	Physical & Mathematical Sciences	Modulating electro optics of liquid crystal tunable gratings with electric field and nanomaterials dispersion	Swadesh Kumar Gupta Indian Institute of Technology-Delhi New Delhi-110016 Delhi	4158000
25	Physical & Mathematical Sciences	A study of neutrino parameters in left right symmetric models	Sasmita Mishra Department of Physics And Astronomy National Institute of Technology Rourkela-769008 Odisha	1522950
26	Physical & Mathematical Sciences	LHC studies of beyond The Standard Model Physics	Baradhwaj Coleppa Department of Physics Indian Institute of Technology-Gandhinagar Gandhinagar-382424 Gujarat	1536735
27	Physical & Mathematical Sciences	Electromagnetically Induced Transparency and slow light in a two dimensional magneto optical trap (2D MOT)	Raghavan Kollengode Easwaran Department of Physics Indian Institute of Technology Patna-801103 Bihar	2120000
28	Physical & Mathematical Sciences	Thermodynamics of black holes general relativity and beyond	Sudipta Sarkar Department of Physics Indian Institute of Technology Ahmedabad-382424 Gujarat	1818520
29	Physical & Mathematical Sciences	Sub-Not Fill	Sunil Pratap Singh Indian Institute of Science and Education Bhopal-462066 Madhya Pradesh	1797620
30	Physical & Mathematical Sciences	Metal doped and buffer layered Tin oxide thin films as anti-reflecting self-cleaning surfaces for solar cells	Debarun Dhar Purkayastha Department of science and humanities National Institute of Technology Dimapur-797103 Nagaland	2320000
31	Physical & Mathematical Sciences	Design & Development of high current density thermionic sheet beam electron gun using Sc doped W nanoparticle cathode	Anil Kumar Manipal University Jaipur-303007 Rajasthan	3278000
32	Physical & Mathematical Sciences		Jaya Lakshmi Guruswami Department of Physics Indira Gandhi Centre For Atomic Research Chennai-633102 Tamilnadu	3796480
33	Physical & Mathematical Sciences	Nuclear Data For fusion Reactors	Bhawna Pandey Department of Physics Govind Ballabh Pant University of Agriculture And Technology Udham Singh Nagar-263145 Uttarakhand	1579600

34	Physical & Mathematical Sciences	Stable and robust numerical methods for plasma flow equations	Harish Kumar Department of Mathematics Indian Institute of Technology- Delhi New Delhi-110016 Delhi	1909600
35	Physical & Mathematical Sciences	Exploring materials properties through computer simulations	Atahar Praveen University of Hyderabad Hyderabad-500046 Telangana	2617780
36	Physical & Mathematical Sciences	Quark Gluon plasma formation and hadron spectra ultra relativistic nucleus collisions	Riyaz Ahmed Bhat Department of Physics National Institute of Technology -190006 Jammu & Kashmir	2541000
37	Physical & Mathematical Sciences	Construction of Polarization Coded Aperture Imaging System using spatial light modulator	Nandan Singh Department of Physics Kumaun University Almora-263601 Uttarakhand	2802034
38	Physical & Mathematical Sciences	Study of surface wave propagation in elastic solids involving piezoelectric Material	Sanjeev Anand Sahu Applied Mathematics Indian School of Mines Dhanbad-826004 Jharkhand	1502600
39	Physical & Mathematical Sciences	Epileptic seizure dynamics, Prediction and control: A network dynamics perspective	Suresh Ramachandran School of Electronics Engineering Sastra University Thanjavur-613401 Tamilnadu	1941225
40	Physical & Mathematical Sciences	Linear and cyclic over finite local rings	Pramod Kumar Kewat Applied Mathematics Indian School of Mines Dhanbad-826004 Jharkhand	1502600
41	Physical & Mathematical Sciences	Magnetocaloric effect studies on some earth based multiferroics	Pavan Kumar Naini Department of Physics Defence Metallurgical Research Laboratory Hyderabad-500058 Telangana	2772360
42	Physical & Mathematical Sciences	First Principles investigation on the enhancement of thermoelectric efficiency in the lanthanide filled skutterudites under doping effect	Amit Shankar Department of Physics North Bengal University Darjeeling-734430 West Bengal	2727340
43	Physical & Mathematical Sciences	Development of ultrasonic spray coated planar heterojunction perovskite solar cells with a target efficiency of 10%	Vinita Vikas Deo Department of Physics North Maharashtra University Jalgaon-425001 Maharashtra	3703939
44	Physical & Mathematical Sciences	Quantum mechanical investigation into an interaction of DNA and RNA Components with various kinds of charged particle	Prithivi Singh Department of Physics Sir Padampat Singhanian University Udaipur-313601 Rajasthan	693000

45	Physical & Mathematical Sciences	Ab initio multi scale modeling of syngas production catalyzed by ternary metal Mg-O clusters at realistic conditions	Saswata Bhattacharya Department of Physics Indian Institute of Technology New Delhi-110016 Delhi	1906520
46	Physical & Mathematical Sciences	Nonlinear excitations in PT-symmetric optical waveguides: modulational instability solitons and rogue waves	Amit Goyal Department of Physics GGSDS College Chandigarh-160030 Chandigarh	1996500
47	Physical & Mathematical Sciences	Focal Engineering For ultrafast all optical magnetic recording with sub wavelength scale resolution	Rajesh K. B. Department of Physics Chikkanna Government Arts College For Men Tiruppur-641602 Tamilnadu	1953967
48	Physical & Mathematical Sciences	Coagulation Fragmentation models well posedness numerical approximations and Asymptotic analysis	Ankik Kumar Giri Department of Mathematics Indian Institute of Technology Roorkee-247667 Uttarakhand	473000
49	Physical & Mathematical Sciences	A Systematic Study of the Application of supersymmetric approach in Quantum physics	Debjit Dutta Department of Mathematics National Institute of Technology Papum Pare-791111 Arunachal Pradesh	803000
50	Physical & Mathematical Sciences	Ascertainment of disease drug targets through integrative network and systems biology approach	Manimaran P. Department of Bioinformatics CR Rao Advanced Institute of Mathematics Statistics and Computer Science Hyderabad-500046 Telangana	1942600
51	Physical & Mathematical Sciences	Single Crystal Growth of Non-Centrosymmetric superconductors	Ravi Prakash Singh Department of Physics Indian Institute of Science Education And Research Bhopal-462023 Madhya Pradesh	1100000
52	Physical & Mathematical Sciences	RMF+BCS study of Exotic Nuclei	Gaurav Saxena Department of Physics Government Women Engineering College Ajmer-305002 Rajasthan	1557325
53	Physical & Mathematical Sciences	Studies on The interplay between multifractal eigenstates of quantum chaos and entanglement spectrum	Meenakshisundaram Natarajan Department of Physics Vivekanand College Kolhapur-624217 Maharashtra	1774980
54	Physical & Mathematical Sciences	Measurement of thermal capture cross sections and resonance integrals for selected isotopes of atomic number range 30-60 by activation method using Am-Be neutron source	Priyada P. Manipal University Manipal-576104 Karnataka	1830004

55	Physical & Mathematical Sciences	Study of flow induced oscillation in collapsible channel conveying rheologically complex fluids	Prakash Goswami Department of Physics Banaras Hindu University Varanasi-221005 Uttar Pradesh	2835800
56	Physical & Mathematical Sciences	Mathematical Modelling of the epidemiology of multi drug resistant tuberculosis (MDR-TB)	Sarita Azad Department of Mathematics Indian Institute of Technology Mandi-175005 Himachal Pradesh	1825725
57	Physical & Mathematical Sciences	2D Material :Multilayer GaN	Ratnesh Kumar Pandey Department of Nanotechnology University of Petroleum And Energy Studies Dehradun-248007 Uttarakhand	550000
58	Physical & Mathematical Sciences	Numerical Methods for integral equations and differential equations by using wavelets and operational matrix	Vineet Kumar Singh Department of Mathematical Sciences Indian Institute of Technology Varanasi-221005 Uttar Pradesh	693000
59	Physical & Mathematical Sciences	Classification of Continuous fields of C^* Algebras	Prahlad Vaidynathan Department of Mathematics Indian Institute of Science Education And Research Bhopal-462066 Madhya Pradesh	1524600
60	Physical & Mathematical Sciences	Eisenstein homology class inside the modular symbols and its analogue beilinson kato elements in the \mathbb{Z}_p^* group	Debargha Banerjee Department of Mathematics Indian Institute of Science Education And Research Pune-411008 Maharashtra	438450
61	Physical & Mathematical Sciences	Force Spectroscopy Study of modified siloxane surface using atomic force microscope	VijayKumar Toutam National Physical Laboratory New Delhi-110012 Delhi	1742740
62	Physical & Mathematical Sciences	First Principle study designing and development of low cost Co-B based alloy electrocatalysts for hydrogen for hydrogen production by water splitting	Riddhi Harish Kadrekar Department of Physics Bhabha Atomic Research Centre Mumbai-400085 Maharashtra	2816667
63	Physical & Mathematical Sciences		Bhaskar Kanseri Department of Physics Indian Institute of Technology New Delhi-110016 Delhi	4180000
64	Physical & Mathematical Sciences	Development of multiferroic manetoelectric materials and dilute manetic semiconductors for multifunctional applications	Shalendra Kumar Department of Physics Amity University Manesar-122413 Haryana	1100000
65	Physical & Mathematical Sciences	Research on Graphene/Semiconductor junctions for high performance optoelectronic devices	Chandramohan Samygonder Department of Physics SRM University Kancheepuram-603203 Tamilnadu	1616254

66	Physical & Mathematical Sciences	Epitaxial growth of InxGal-xN materials on sapphire and Si substrates using metal organic chemical vapor deposition method (MOCVD) for hydrogen generation through photoelectrochemical water splitting	Vattikondala Ganesh Department of Physics SRM University Chennai-603203 Tamilnadu	4222662
67	Physical & Mathematical Sciences	Fabrication and electron transport characteristics of silicon nanowires	Tanuj Kumar Department of Nano Sciences Central University of Jammu Jammu-180012 Jammu & Kashmir	1430000
68	Physical & Mathematical Sciences	Photon upconversion on dye sensitized nanostructures for efficient solar energy harvesting	Neeraj Kumar Giri School of Materials Science And Technology Indian Institute of Technology Varanasi-221005 Uttar Pradesh	4152741
69	Physical & Mathematical Sciences	Investigation of structured light beam generation for fiber laser configuration	Shankar Pidishety Department of Electrical Engineering Indian Institute of Technology Chennai-600036 Tamilnadu	1654180
70	Physical & Mathematical Sciences	Thin Film Lithium battery based on gernet structured electrolytes for portable electronics devices	Ramakumar Sampathkumar Department of Physics Central Electrochemical Research Institute Karaikudi-630006 Tamilnadu	4288680
71	Physical & Mathematical Sciences	Energy Solar DUV LEDs For next generation luminescent lighting and Bio Medical Applications	K.Jayanthi Rajan Nanomaterials Laboratory Indian Institute of Chemical Technology Hyderabad-500007 Telangana	3478358
72	Physical & Mathematical Sciences	Development of polymer electrolyte membranes based all solid state sodium batteries	Kuldeep Mishra Department of Physics and Material Science Jaypee University Anoopshahr Bulandshar-203390 Uttar Pradesh	1861552
73	Physical & Mathematical Sciences	Spectroscopic investigation on functionalized fullerene derivatives for prediction of efficient acceptors in organic solar cells	Tabish Rasheeb Department of physics BML Munjal University Gurgaon-122413 Haryana	1677500
74	Physical & Mathematical Sciences	Indetification of resonances in reactions of astrophysical interest	Neelam Jitendrapal Upadhyay Department of Physics Centre For Excellence in Basic Sciences, University of Mumbai Mumbai-400098 Maharashtra	2624400

75	Physical & Mathematical Sciences	Investigation of chemical effects in 4f elements in various chemical forms and effect external magnetic field on their structure	Gurjeet Singh Department of Physics Punjab University Patiala-147002 Punjab	857900
76	Physical & Mathematical Sciences	Study of nernst effect in the superconductors and semi metallic compounds	Chadr Shekhar Yadav School of Basic Sciences Indian Institute of Technology Mandi-175005 Himachal Pradesh	1418271
77	Physical & Mathematical Sciences	Electric field controlled magnetism in InAs semiconductor nanowires	Sandeep Kumar Department of Physics Central University of Rajasthan Ajmer-305817 Rajasthan	1819400
78	Physical & Mathematical Sciences	Modular weight and serre weights of certain mod p galosi representations	Abhik Ganguli Department of Mathematics Indian Institute of Science Education and Research Chandigarh-140306 Chandigarh	242000
79	Physical & Mathematical Sciences	The Formation evolution and physical properties of group and cluster of galaxies	Nilkanth Dattatray Vagshette Department of Physics Maharashtra Udayagiri Mahavidyalaya Latur-413517 Maharashtra	715000
80	Physical & Mathematical Sciences	Study of mixed anion compounds as promising theramoelectric materials and the fabrication of experimental setups for the measurement	Tripurari Sharan Tripathi Department of Physics Inter University Accelaerator Centre New Delhi-110067 Delhi	3045220
81	Physical & Mathematical Sciences	Hydrodynamics modeling of complex porous membranes and their application in engineering sciences	Pramod Kumar Yadav Department of Mathematics Motilal Nehru National Institute of Technology Allahabad-211004 Uttar Pradesh	808500
82	Physical & Mathematical Sciences	Fermion mixing CP violation and mass materices in flavour physics	Rohit Verma Department of Applied Science Chitkara University Solani-174103 Himachal Pradesh	450000