

Science & Engineering Research Board

NPDF Projects Sanctioned in the Year 2018-19

S. No	Discipline	Title	PI Details	Total Cost
1	Chemical Sciences	Computational Interstellar Chemistry: Probing The Evolution Of Molecular Complexity	Dr. Gopalsamy Karuppasamy, Indian Institute of Science Education and Research Tirupati, Tirupati, Andhra Pradesh, 517507	1920000
2	Chemical Sciences	Synthesis, Characterization And Potential Applications Studies Of Novel Self-Assembled Systems Based On Gemini Surfactants And Macrocyclic Host Molecules	Dr. Julfikar Hassan Mondal, Central Leather Research Institute, Chennai, Tamil Nadu, 600020	1920000
3	Chemical Sciences	Single Molecule Magnets Loaded Into Covalent Organic Frameworks	Dr. Kaleeswaran D, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1920000
4	Chemical Sciences	Polyaniline/Carbon Nanostructures For Thermoelectric Applications	Dr. Lenin Ramanujam, Institute of Nano Science and Technology, Mohali, Punjab, 160047	1920000
5	Chemical Sciences	Synthesis Of Visible And NIR-Active Metal-Free Organic Dyes For Panchromatic Light Absorption: To Enhance The Dye-Sensitized Solar Cell (DSSC) Device Performance	Dr. Sriram Babu Seenivasagaperumal, National Chemical Laboratory, Pune, Maharashtra, 411008	1920000
6	Chemical Sciences	Study Of Tunable Wetting Properties Of Nanostructure-Based Coating	Dr. Sriparna Chatterjee, Institute of Minerals & Materials Technology, Bhubaneswar, Orissa, 751013	1920000
7	Chemical Sciences	Synthesis Of Thermoresponsive Dendritic ATRP And Mikto-Arm Star Polymer For Their Biological Evaluation As Drug Carriers	Dr. Sathiyaraj Subramaniyan, University of Hyderabad, Hyderabad, Telangana, 500046	1920000
8	Chemical Sciences	Design And Development Of Near IR (NIR) Emissive Dyes For Bio-Imaging	Dr. Dhanalakshmi Pandi, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
9	Chemical Sciences	Calculations Of Electronic Properties Related To The Spectroscopic Transitions: Organic Molecules And Materials	Dr. Arun Kr Pal, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	1920000
10	Chemical Sciences	Probing Structural Strain In Elastically Bendable Molecular Single Crystals	Dr. Somnath Dey, Indian Institute of Science Education And Research Kolkata, Nadia, West Bengal, 741246	1920000

11	Chemical Sciences	Molecular Basis Of Protein-Osmolyte Interactions	Dr. Shampa Raghunathan, International Institute of Information Technology Hyderabad, Hyderabad, Telangana, 500032	1920000
12	Chemical Sciences	Calculation Of Vibrational Circular Dichroism Using Vibrational Coupled Cluster Method	Dr. Lalitha R, University of Hyderabad, Hyderabad, Telangana, 500046	1920000
13	Chemical Sciences	Development Of Efficient Electrochemical Biosensors For Bio- Mimicking Interaction Of Human Blood With Hemotoxins: Relevance To Point Of Care Diagnosis And In-Vitro Detoxification Mechanism.	Dr. Khairunnisa Amreen, Birla Institute of Technology and Science Pilani-Hyderabad, Hyderabad, Telangana, 500078	1920000
14	Chemical Sciences	Studies On Chemical Synthesis Of Selenoxo-, Amido-, Coumarin-Tethered- And Nitrosourea Peptidomimetics	Dr. Divya K, Bangalore University, Bangalore, Karnataka, 560065	1920000
15	Chemical Sciences	Lewis Acid Catalyzed Tandem Cyclization Reactions For The Synthesis Of Oxygen And Nitrogen Heterocyclic Compounds	Dr. Ramanjaneyulu Unnava, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500607	1920000
16	Chemical Sciences	A Photo-Switchable Plasmonic System To Reconfigure Hot-Spots Between Nanogaps In Gold Nanorod Dimers	Dr. Gayatribahen Kaushik Kumar Joshi, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	1920000
17	Chemical Sciences	Water-Soluble Fluorescent Polymer: Synthesis, Characterization And Bio- Analytical Applications	Dr. Sangita Adhikari, Visva Bharati University, Shanti Niketan, West Bengal, 731235	1920000
18	Chemical Sciences	Linking Organic Cages With Metal Ions: Development Of Metal-Organic Materials (MOMs) With Endo As Well As Exo-Cage Voids	Dr. Farasha Sama, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1920000
19	Chemical Sciences	Polysulfide Solubility In A Series Of Fluorous Imidazolium And Phosphonium Ionic Liquids For Their Electrolytic Properties In Mg-Sulfur Rechargeable Battery	Dr. Santosh Namdeo Chavan, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500607	1920000
20	Chemical Sciences	Sorption And Valorisation Of Carbon Dioxide To Valuable Feedstock By Layered Double Hydroxide Derived Metal Oxides	Dr. Subha Pv, National Chemical Laboratory, Pune, Maharashtra, 411008	1920000
21	Chemical Sciences	Evaluation Of Non-Invasive Matrices As Diagnostic Fluids For Neurological Disease Diagnosis Through Mass Spectrometry-Based Metabolomics	Dr. Ankita Asati, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500607	1920000

22	Chemical Sciences	Designing And Construction Of Artificial Metalloenzymes And Investigation Of Their Catalytic Activities Towards Stereoselective Organic Transformations To Obtain Synthetically And Biologically Important Compounds	Dr. Prasun Mukherjee, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1920000
23	Chemical Sciences	The First Chemical Synthesis Of Giant Oligosaccharide: Complete Full Length 131-Mer Arabinogalactan Of MTb Cell Wall	Dr. Sandip Pasari, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1920000
24	Chemical Sciences	Carbon Nanomaterial Based Sensors For Agricultural Applications	Dr. Monoj Kumar Barman, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Karnataka, 560064	1920000
25	Chemical Sciences	Discovery Of Bio-Active Therapeutics From Microorganisms Associated With Untapped Marine Bio-Resources	Dr. Yedukondalu Nalli, Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat, 364002	1920000
26	Chemical Sciences	Photocatalytic 1,2-Difunctionalization Of Alkynes And Synthesis Of Biologically Relevant Heterocycles By A Novel Rose Bengal Post Synthetically Modified Metal Organic Framework (RBPSMMOF)	Dr. Ramen Jamatia, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1920000
27	Chemical Sciences	Crystal Engineering Of Pharmaceutical Co-Crystals To Modify The Biological Properties Of The Drugs	Dr. Rajkumar M, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
28	Chemical Sciences	Development Of New Methodology With Ambiphilic Compounds And Ortho-Quinone Methides (O-QM)/Quinodimethanes To Access Diverse Heterocyclic Compounds	Dr. Pramod Kumar, Centre of Biomedical Research, Lucknow, Uttar Pradesh, 226014	1920000
29	Chemical Sciences	Synthesis And Reactivity Of Compounds Containing Boron-Phosphorus Multiple Bond	Dr. Rosmita Borthakur, Tata Institute of Fundamental Research Centre for Interdisciplinary Sciences, Hyderabad, Telangana, 500075	1920000
30	Chemical Sciences	Engineering Of Materials And Molecules To Achieve Low Cost Solution Processed Perovskite Solar Cells	Dr. Thokala Swetha, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1920000
31	Chemical Sciences	Preparation Of Stimuli Responsive Hyperbranched Polymers For Drug Delivery Applications	Dr. Nagaraju Pentela, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
32	Chemical Sciences	A Novel Modification Of Sonogashira Reaction And Friedel-Crafts Reaction Using Non-Conventional Substrates Strategy Via Organic Photoredox Catalytic Cycle	Dr. Ranadeep Talukdar, Centre of Biomedical Research, Lucknow, Uttar Pradesh, 226014	1920000

33	Chemical Sciences	Ultrathin Two-Dimensional (2D) All-Inorganic Perovskite Halides And Their Optoelectronic Properties	Dr. Kaushik Kundu, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Karnataka, 560064	1920000
34	Chemical Sciences	Chemical Vapour Detection By Meso-Polyarylamine-BODIPY Derivatives Mixed In Different Polymer Films	Dr. Muzaffer Ahmad, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1920000
35	Chemical Sciences	Pd-Catalyzed Stereoselective Domino Decarboxylative[3+2] Cycloadditions: A Facile Route To Chiral Carbocyclic/Heterocyclic Scaffolds	Dr. Srinivas Ambala, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500607	1920000
36	Chemical Sciences	Investigations Of High-Performance Electrode Materials For Rechargeable Li-Ion And Na-Ion Batteries By Using Nanostructured Materials	Dr. Subba Reddy Marri, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
37	Chemical Sciences	Fabrication Of Biodegradable And Biocompatible Polymeric Nanocomposites For Anti-Cancer Targeted Therapeutics.	Dr. Rewati Raman Ujjwal, National Institute of Pharmaceutical Education and Research Rae Bareli, Rae Bareli, Uttar Pradesh,	1920000
38	Chemical Sciences	Enantioselective Synthesis Of Hindered Polycyclic Ethers Via Catalytic Oxa-Michael/Michael Cascade Reaction	Dr. Pallavi Singh, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1920000
39	Chemical Sciences	Design And Synthesis Of Free-Standing Monolayer Two-Dimensional (2D) Conjugated Polymers By Light-Triggered Topochemical Reaction	Dr. Venkata Suresh Mothika, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
40	Chemical Sciences	Study Of Interfacial Interactions And Dynamics In Non-Aqueous Reverse Micelle Systems Using Vibrational Stark Effect And Two Dimensional Infrared Spectroscopy	Dr. Deborin Ghosh, National Chemical Laboratory, Pune, Maharashtra, 411008	1920000
41	Chemical Sciences	Probing the viscoelastic tunability and surface rigidity of phospholipid assemblies in the presence of aromatic amino acid analogues.	Dr. Gulmi Chakraborty , Jadavpur University, KOLKATA, West Bengal,	1920000
42	Chemical Sciences	SURFACE MODIFIED MAGNETIC NANOSTRUCTURE WITH POLYSORBATE DRUG CONJUGATE FOR CROSSING BLOOD BRAIN BARRIER	Dr. Vasanthan Ravichandran Bombay, Indian Institute of Technology, MUMBAI CITY, Maharashtra,	1920000
43	Chemical Sciences	Single atom stabilized heteroatom doped carbon Nanomaterials for bio-fuels up-gradations	Dr. Reena Goyal , Indian Institute of Technology, Roorkee, Uttarakhand,	1920000

44	Chemical Sciences	Synthesis of porous conducting Metal Sulfonate materials for various applications	Dr. RANJAYKUMAR DASHRATH TIWARI University of Delhi, North Campus, New Delhi,	1920000
45	Chemical Sciences	Interface Engineering of Inorganic Nanomaterials utilizing OD Carbonaceous Materials for robust and overall Water Splitting	Dr. Aniruddha Kundu Indian Institute of Technology, Kharagpur, West Bengal,	1920000
46	Earth & Atmospheric Sciences	Wood Flora From Mesozoic Of India And Its Palaeoclimatic Implications	Dr. Chinnappa Chopparapu, Birbal Sahni Institute of Palaeosciences, Lucknow, Uttar Pradesh, 226007	1920000
47	Earth & Atmospheric Sciences	Artificial Recharge Through Aquifer Storage And Recovery To Augment Potable Groundwater In Parts Of Bundelkhand Region	Dr. Suman Kumar, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1920000
48	Earth & Atmospheric Sciences	Laboratory Investigation Of The Shear Behavior Of Natural Rock Discontinuities Under CNL And CNS Conditions	Dr. Hemant Kumar Singh, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1920000
49	Earth & Atmospheric Sciences	Maturation Kinetics And Depositional Environmental Condition Of Auranga Basin In Lower Permian Formation, Jharkhand, India	Dr. Divya Kumari Mishra, Birbal Sahni Institute of Palaeosciences, Lucknow, Uttar Pradesh, 226007	1920000
50	Earth & Atmospheric Sciences	Geomorphological And Sedimentological Assessment Of Tons River, Central India: Implications Of Tectonic And Climatic Responses On Drainage System	Dr. Saurabh Singh, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	1920000
51	Earth & Atmospheric Sciences	Molluscs' Response To The Early Paleogene Hyperthermal And Transgressive Events: A Case Study From Western India	Dr. Rakhi Dutta, Presidency University, Kolkata, West Bengal,	1920000
52	Earth & Atmospheric Sciences	Environmental Correlates Of Diversity And Assessing The Reliability Of Bivalve Species Association As Predictors Of Coastal Marine Environments: A Case Study On The Indian Coast.	Dr. Deepjay Sarkar, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	1920000
53	Earth & Atmospheric Sciences	Study To Assess The Apple Crop Vulnerability To Climate Change In Himachal Pradesh	Dr. Meena Kumari, State Council for Science Technology and Environment, Shimla, Himachal Pradesh, 171009	1920000
54	Earth & Atmospheric Sciences	Role of Environmental Isotopes in Understanding The Changing Climatic Pattern And Its Impact On The Water Resources of Two Highly Populated Districts Of Manipur, India	Dr. Anoubam Diana Sharma, Bhabha Atomic Research Centre, Mumbai, Maharashtra, 400085	1920000

55	Earth & Atmospheric Sciences	Role Of Short Period Waves And Tides On The Atmospheric Structure And Dynamics During Disturbed Weather Conditions In A Changing Climate	Dr. Himabindu Hanumanthu, Sri Venkateswara University, Tirupati, Andhra Pradesh, 517502	1920000
56	Earth & Atmospheric Sciences	Investigation On Turbulence Spectral Characteristics Of Surface Layer Under Fair-Weather And Cloudy Conditions Over A Coastal Terrain Thumba	Dr. Nagireddy Sivakumar Reddy, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala, 695022	1920000
57	Earth & Atmospheric Sciences	Ore fluids, Ore Genesis and Evolution of the Polymetallic Mineralization in Dikchu and Rangpo, Sikkim Himalaya.	Dr. Vandana Jha, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand, 248001	1920000
58	Earth & Atmospheric Sciences	Estimation of organic, inorganic contribution in surface and groundwater from waste dumping sources through isotopic characterization and identification of heavy metal resisting bacterial population	Dr. Utpal Majee, Indian Institute of Science, Bangalore, Karnataka, 560012	1920000
59	Earth & Atmospheric Sciences	Imaging shear wave velocity structure of the lithosphere beneath NW Himalaya and Indo-Gangetic plains	Dr. Amrita Yadav, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand, 248001	1920000
60	Earth & Atmospheric Sciences	Late Quaternary paleoclimatic records and sediment sources as evidenced by the cliff embankments of the Central Ganga Plain	Dr. Shyam Kanhaiya, National Institute of Oceanography, Dona Paula, Goa, 403004	1920000
61	Engineering Sciences	High Energy And Power Density Hybrid Supercapacitors For Grid Scale Energy Storage	Dr. Rudra Kumar, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	1920000
62	Engineering Sciences	Thermal Insulation Of Toughened Yttria Stabilized Zirconia Reinforced With Carbon Nanotube And Graphene For The Application Of Thermal Barrier System	Dr. Ariharan S, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
63	Engineering Sciences	Compact Modeling And Simulation Of Radiation Effects In Bulk And SOI MOSFETs For Space Application	Dr. Jayhind Kumar Verma, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1920000
64	Engineering Sciences	Development Of Natural Foam Booster And Emulsifier From Spent Coffee Grounds For Food & Beverage Applications	Dr. Padma Ishwarya S, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram, Kerala, 695019	1920000
65	Engineering Sciences	Exciton Manipulation In Nano-Heterostructures Of Layered Dichalcogenides And Group II-VI Semiconductors	Dr. Dushyant Kushavah, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	1920000

66	Engineering Sciences	Biocide Photocatalytic Nanofibers Membranes – An Approach To Enhance Activity Of Fiber In Water Treatment	Dr. Harshiny M, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
67	Engineering Sciences	Jet Impingement Boiling On A Variety Of Novel Structured Surfaces	Dr. Mayank Modak, Indian Institute of Science,Bangalore, Bangalore, Karnataka, 560012	1920000
68	Engineering Sciences	Validation Of Game-Theoretic Approaches In SDR-CR For Enhanced Security As Part Of 5G Networks	Dr. Suchismita Bhattacharjee, Gauhati University, Guwahati, Assam, 781014	1920000
69	Engineering Sciences	Alveolar Surface Mediated Micro-To-Nano-Dissociable Inhalable Formulation Of Cocktail Of Anti-Tubercular Drugs For Effective Treatment Of Pulmonary Tuberculosis.	Dr. Mohd Qasim, Indian Institute of Technology Hyderabad, Hyderabad, Telangana, 502205	1920000
70	Engineering Sciences	Development Of A Novel Handheld Electronic Device For Real-Time Detection Of Snake Venom Using Aptamer Templated Nanoparticle	Dr. Crossguevara Kirubadaniel Suthanthiradaniel, Indian Institute of Science,Bangalore, Bangalore, Karnataka, 560012	1920000
71	Engineering Sciences	Synthesis And Properties Evaluation Of Porous Polyethylene-Nanoclay Composite Membranes.	Dr. Tithi Agarwal, Indian Institute of Science,Bangalore, Bangalore, Karnataka, 560012	1920000
72	Engineering Sciences	High Entropy Alloys (HEAs) For Hydrogen Storage Application	Dr. Joydev Manna, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
73	Engineering Sciences	Establishment Of A System Dynamics Model For Soil Moisture And Nutrient Management Focusing On Wheat-Rice Cultivation Practices In Rural India	Dr. Susha Lekshmi S U, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
74	Engineering Sciences	On The Shear-Layer Instabilities In The Turbulent Wake From Normal Flat-Plates	Dr. Tanmoy Mondal, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
75	Engineering Sciences	Role Of Nucleolus In Regulating Nuclear Shape And Size	Dr. Naresh Kumar Manda, University of Hyderabad, Hyderabad, Telangana, 500046	1920000
76	Engineering Sciences	Scarf Patch Repair Of Aerospace Composite Structure: Inspection Of Bonded Repair Issues And Fatigue Life Assessment Of Bonded Joint Using Infrared Thermography	Dr. Dhiraj Kumar, Indian Institute of Science,Bangalore, Bangalore, Karnataka, 560012	1920000
77	Engineering Sciences	Developing Automated Platform For Continuous Manufacturing Of Functional Nanomaterials.	Dr. Atul Harishchandra Bari, National Chemical Laboratory, Pune, Maharashtra, 411008	1920000

78	Engineering Sciences	To Develop Nanoformulation Of Phytoconstituents As Brain Targeted Delivery Systems For The Treatment Of Psychosis And Design New Animal Model For Screening Of Psychoactive Agents	Dr. Monu, Panjab University, Chandigarh, Chandigarh, 160014	1920000
79	Engineering Sciences	Design and Study of Beam Steering Reconfigurable MIMO Antennas For 5g Communications	Dr. Boya Satyanarayana, Indian Institute of Technology (Bhu), Varanasi, Uttar Pradesh, 221005	1920000
80	Engineering Sciences	Droplet Microfluidics For The Highly Controlled Dynamic Synthesis Of Plasmonic Metallic Nanoparticles	Dr. Girinandagopal Ms, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	1920000
81	Engineering Sciences	Effect Of Alloying Additions And Texture On The Dwell Fatigue Behavior Of Unidirectionally Rolled Near-Alpha Titanium Alloys	Dr. Vinoadh Kumar Krishnan, Indian Institute of Science,Bangalore, Bangalore, Karnataka, 560012	1920000
82	Engineering Sciences	Development Of A Lossy Mode Resonance Based Fiber Optic Biosensor Array Platform For Ochratoxin-A Detection In Foods	Dr. Sruthi Prasood Usha, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
83	Engineering Sciences	Implementation And Performance Evaluation Of Monocular ORB Simultaneous Localization And Mapping To Facilitate Vision Based Guidance For Autonomous Robots	Dr. Kuntal Ghosh, Indian Institute of Science,Bangalore, Bangalore, Karnataka, 560012	1920000
84	Engineering Sciences	Development Of Minimally Invasive Bioactive Glass Nanoparticles Reinforced Injectable Hydrogel For Bone Tissue Engineering Applications	Dr. Aniruddha Pal, Central Glass & Ceramic Research Institute, Kolkata, West Bengal, 700032	1920000
85	Engineering Sciences	Development, Testing And Evaluation Of A Novel Solar Photovoltaic/Thermal Air Collector System Integrated With Thermoelectric Generator Modules And Nano-Phase Change Material	Dr. Jee Joe Michael, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1920000
86	Engineering Sciences	Grain Boundary Engineering To Enhance Resistance To Corrosion And Creep-Fatigue Interaction Damage Of IN718 Superalloy At High Temperatures	Dr. Sanjeev Kumar, Defence Metallurgical Research Laboratory, Hyderabad, Telangana, 500058	1920000
87	Engineering Sciences	Distributed Overlapped Community Detection In Dynamic Networks	Dr. Dibakar Saha, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1920000
88	Engineering Sciences	Investigation Of Plasma Treated 316 L Stainless Steel Samples For Biomedical Applications	Dr. Barnali Biswas, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	1920000

89	Engineering Sciences	Clustering In Semi-Supervised Learning Frameworks	Dr. Anup Kumar Bhattacharya, Indian Statistical Institute Kolkata, Kolkata, West Bengal, 700108	1920000
90	Engineering Sciences	Synthesis of Organic-Inorganic Hybrid Perovskites for PV Applications	Dr. Rahul Kumar, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
91	Engineering Sciences	Development of self-healing TiO ₂ nanoparticles decorated graphene-polyurethane nanocomposite for multifunctional applications	Dr. Arun Kumar, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
92	Engineering Sciences	DISTRIBUTION AND ISOTOPIC COMPOSITION OF MICRO MOLLUSCS IN FOSSIL CORE SEDIMENTS, GULF OF MANNAR CORAL ISLANDS: IMPLICATION ON PALEO-OCEANIC ENVIRONMENT, ECOLOGY AND TAPHONOMIC SIGNATURES	Dr. Prince S. Godson, Kerala University, Thiruvananthapuram, Kerala, 695034	1920000
93	Life Sciences	Implication Of Endoplasmic Reticulum Stress, Autophagy, And Apoptosis In Advanced Glycation End Products-Induced Neuronal Cell Injury	Dr. Utkarsh Reddy, National Institute of Nutrition, Hyderabad, Telangana, 500007	1920000
94	Life Sciences	The Study Of Metabolic And Cognitive Changes In Patients With Type2 Diabetes Mellitus (DM2) Using Advance (MRS And FMRI) Modalities	Dr. Kapil Chaudhary, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
95	Life Sciences	Investigating Real Time Dynamics Of Topoisomerase1-DNA Conformational Transitions And Drug-Bound Ternary Complexes	Dr. Ayesha Kabir, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	1920000
96	Life Sciences	Development Of Species-Specific DNA Mini-Barcode Of The Archive Fish Specimens From Northeast India To Assess Their Taxonomic Status	Dr. Maloyjo Joyraj Bhattacharjee, Karimganj College, Karimganj, Assam, 788710	1920000
97	Life Sciences	Undertaking A Combinatorial Biophysical And Cell Biological Approach To Elucidate The Role Of 14-3-3 Protein In Maintaining CRAF Activity	Dr. Soumita Mukherjee, Bose Institute, Kolkata, West Bengal, 700054	1920000
98	Life Sciences	Metabolic Changes Associated With Hyperhomocysteinemia During Ischemic Stroke- Role Of Mitochondria And Endoplasmic Reticulum, And Effect Of Phytochemicals/ Nano Phytochemicals In Neuroprotection.	Dr. Nisha Vm, National Institute of Mental Health and Neuro Sciences, Bangalore, Karnataka, 560029	1920000
99	Life Sciences	Malaria As A Systems Disease: Integration Of Sub-Cellular Networks Of P Falciparum And Human To Identify Key Components And Regulators Of Host Parasite Interaction Network.	Dr. Madhumita Bhattacharyya, University of Calcutta, Kolkata, West Bengal, 700073	1440000

100	Life Sciences	Engineering Genome Editing Of Hybrid Histidine Kinase (HHK) In Rhizopus Oryzae Fungus By Utilising CRISPR-Cas System.	Dr. Chandra Prakash, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
101	Life Sciences	Interrogating MicroRNA-Mediated Gene Regulation to Enhance Bacterial Wilt Resistance in Ginger (Zingiber Officinale Rosc.)	Dr. Snigdha M, Indian Institute of Spices Research, Kozikode, Kerala, 673012	1920000
102	Life Sciences	Development Of Novel Strategy For Stem Cell Differentiation To Hepatocyte Using Combined Approach Of Epigenetic Modification And 3D Cell Culture Scaffold For Applications In Pharmaco-Toxicological Studies	Dr. Joyita Sarkar, Savitribai Phule Pune University, Pune, Maharashtra, 411007	1920000
103	Life Sciences	Exploring The Molecular Mechanism Of PTEN Post Translational Modification And Their Regulatory Domains In The Activation Of Autophagic Response Pathway	Dr. Debalina Bhattacharya, University of Calcutta, Kolkata, West Bengal, 700073	1920000
104	Life Sciences	Cyclin Dependent Kinase 5 (Cdk5) And Low Molecular Weight Protein Tyrosine Phosphatase (LMPTP) Mediated Protein Phosphorylation / Dephosphorylation In Regulating Insulin Signalling And Insulin Resistance In Neuronal System(S)	Dr. Kapil Manglani, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
105	Life Sciences	Fabrication Of Hybrid Hydrogel Laden With Growth Factor For Infection Related Wound Healing.	Dr. Manash Deep Dey, Central Leather Research Institute, Chennai, Tamil Nadu, 600020	1920000
106	Life Sciences	Elucidating The Effect Of Musa Balbisiana On Cardiac Hypertrophy: Scope For The Development Of Nutritional Product	Dr. Sima Kumari, Translational Health Science and Technology Institute, Faridabad, Haryana, 122016	1920000
107	Life Sciences	Evaluation of The Role of Universal Stress Proteins (UspA And UspB) In The Virulence Of Salmonella Typhimurium Under Stress Conditions	Dr. Manoj Kumawat, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1920000
108	Life Sciences	Premature Activation of Plasmodium Gametocytes: An Attempt To Block Malaria Transmission	Dr. Sherry Sachdeva, National Institute of Malaria Research, New Delhi, Delhi, 110077	1440000
109	Life Sciences	Enhancement of Steroidal Alkaloids Production Using Cell Suspension Culture And Elucidating Sipeimine Biosynthesis In Fritillaria Roylei, A High Value Endangered Medicinal Herb Of Himalayas	Dr. Pankaj Kumar, Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh, 176061	1920000
110	Life Sciences	Evaluation Of Mitophagy Inducers As Anticancer Agents	Dr. Aakanksha Pant, Centre for Cellular and Molecular Biology, Hyderabad, Telangana, 500007	1920000

111	Life Sciences	Studies on Chikungunya Virus-Host Molecular Contacts For Therapeutic Intervention	Dr. Ravi Kumar, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	1920000
112	Life Sciences	Identification of Novel And Conserved MicroRNAs Involved In Drought Stress Regulation In Mungbean	Dr. Sanjeev Kumar, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1920000
113	Life Sciences	A Comparative Study On The Effect Of Cold And Histone Deacetylase Inhibitor Pre-Treatments In Anthers Of Elite Rice Hybrids For Increasing Callus Induction Potential	Dr. Cayalvizhi Bsai, Central Rice Research Institute, Cuttack, Orissa, 753006	1920000
114	Life Sciences	Biogeography, Systematics and Species Delimitation of Endemic Skink Genera of The Western Ghats Biodiversity Hotspot Using Phylogenetic Tools	Dr. Aniruddha Datta Roy, Ashoka Trust for Research in Ecology and The Environment, Bangalore, Karnataka, 560064	1920000
115	Life Sciences	Standardizing Non-Invasive Liquid Biopsy (Circulating Cell Free Tumor DNA) As A Tool For Screening/Stratification And Monitoring Response In Young Patients With Ewing's Sarcoma	Dr. Meenakshi Verma, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	1920000
116	Life Sciences	Evaluation of Anticancer and Acrylamide Reduction Potential of Fungal L-Asparaginase, and Development Of A Low-Cost Biosensor For Leukemia	Dr. Neethu R S, Malabar Botanical Garden and Institute for Plant Sciences, Kozikode, Kerala, 673014	1920000
117	Life Sciences	Biophysical Characterization of The Effect Of Natural Products and Biocompatible Ionic Liquid On Aggregation/Fibrillation Of ALS-Linked Superoxide Dismutase (SOD1): An Approach Towards Development Of New Therapeutic Strategies For ALS.	Dr. Meena Kumari, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
118	Life Sciences	Development of An Integrated Bioengineered System For Remediation of Acid Mine Drainage	Dr. Sandeep Panda, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500607	1920000
119	Life Sciences	Assessment of Ecological Status, Biomass Carbon Density And Soil Nutrient Status Of Endemic And Endangered Betula Utilis D. Don (Himalayan Birch) In Kashmir Himalayas	Dr. Naseer Ahmed Mir, Forest Research Institute, Dehradun, Uttarakhand, 248006	1920000
120	Life Sciences	Biosynthetic Pathway Engineering In Coleus Forskholii Briq. To Enhance The Production Of 1,9 Dideoxyforskolin: A Potential Anticancer Molecule	Dr. Mohammad Shahnawaz, Indian Institute of Integrative Medicine Jammu, Jammu, Jammu And Kashmir, 180001	1920000

121	Life Sciences	Validation of SNPs For Foliar Fungal Disease Resistance And High Oleic Trait For Selection Decisions In Groundnut Breeding	Dr. Gattu Swathi, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	1920000
122	Life Sciences	Development of Therapeutic Formulation Of Selected Medicinal Plants And Their Alkaloids Against Triple Negative Breast Cancer (TNBC)	Dr. Abhilasha Saxena, Central Institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh, 226015	1920000
123	Life Sciences	Regulation of Information Transfer Across Endoplasmic Reticulum-Plasma Membrane Contact Sites During Lipid Signalling.	Dr. Shirish Mishra, National Centre for Biological Sciences, Bangalore, Karnataka, 560065	1920000
124	Life Sciences	Development of The Near Infrared Light Emissive Platinum Nanoclusters As A Theranostics Probe For Multimodal Treatment And Diagnosis of Cancer With Opportunistic Infections	Dr. Puneet Khandelwal, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1920000
125	Life Sciences	A Taxonomic Revision on Pyrenocarpous Lichens from India	Dr. Gaurav Kumar Mishra, National Botanical Research Institute, Lucknow, Uttar Pradesh, 226001	1920000
126	Life Sciences	Investigation on Distribution And Bioaccumulation of Phenolic Endocrine Disruptors In Abiotic And Biotic Components of Ennore Estuary, Chennai, Tamilnadu, India	Dr. Revathi Peranandam, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, 627012	1920000
127	Life Sciences	Role of Nitric Oxide Mediated Host Cell Autophagic Response In Parasite Survival For Pathogenesis In Visceral Leishmaniasis	Dr. Sunanda Kundu, All India Institute of Medical Sciences Patna, Patna, Bihar, 801505	1920000
128	Life Sciences	Elucidation of Role of Nitrile Degrading Bacteria In Rhizospheric Soil And Their Molecular Mechanism For Plant Growth Promotion	Dr. Anukool Vaishnav, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	1920000
129	Life Sciences	Development of Nanoparticle Conjugated Vaccine Molecules / Drug Composites For Targeted Immune-Modulation And Enhanced Antibacterial Activity To Improve Tuberculosis Treatment	Dr. Rashmirekha Pati, Institute of Life Science, Bhubaneswar, Orissa, 750023	1920000
130	Life Sciences	A Novel Approach In Integrated Pest Management Using Advanced Nanocides With Potent Protease Inhibitor For Sustainable Agriculture.	Dr. Kiran Ramesh Marathe, North Maharashtra University, Jalgaon, Maharashtra, 425001	1920000
131	Life Sciences	Role Of Grainy Head Like 2 (Grhl2) Transcription Factor In Astrocytoma.	Dr. Prasannaraj Govindaraj, Christian Medical College, Vellore, Tamil Nadu, 632004	1920000

132	Life Sciences	Assessment of Variation In Microbial Communities Driven By Soil PH And Isolation of Culturable Phosphate Solubilizing Actinobacteria For Development of Microbe-Based Formulation To Reduce Application Of Phosphorus Fertilizer In Different Vegetable Crops C	Dr. Jintu Dutta, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1920000
133	Life Sciences	Investigating The Role of Microtubule Associated Proteins (MAPs) In Colon Cancer Tumor Progression and Metastasis.	Dr. Kasturi Bala Nayak, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1920000
134	Life Sciences	Generation Of Potential VEGF, JAK1/ JAK 2 And IL-17 Modulators For Rheumatoid Arthritis From Traditional Medicinal Plants	Dr. Genu George, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram, Kerala, 695019	1920000
135	Life Sciences	Characterization of Small RNA Mediated Gene Regulatory Mechanisms During Virus-Plant Interactions.	Dr. Asha S, Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala, 695017	1920000
136	Life Sciences	Exploring Novel BCL2-Specific Inhibitors Against Leukemia And Lymphoma	Dr. Varsha Kk, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
137	Life Sciences	Molecular Mechanisms of Neurodegeneration Induced By Glaucoma And Amyotrophic Lateral Sclerosis Associated Mutants Of Optineurin	Dr. Swetha Medchalmi, Centre for Cellular and Molecular Biology, Hyderabad, Telangana, 500007	1920000
138	Life Sciences	Role of T Follicular Helper Cells And Regulation of MicroRNAs In Lung Cancer	Dr. Satyendra Kumar Singh, Institute of Life Science, Bhubaneswar, Orissa, 750023	1920000
139	Life Sciences	Evaluating The Impact of Myxozoan Parasites On Fresh Water Fishes Of North West Himalaya And To Study Their Taxonomic Evaluation Using 18s RDNA As A Molecular Diagnostic Tool	Dr. Shoaib Ali Dar, University of Kashmir, Srinagar, Jammu And Kashmir, 190006	1920000
140	Life Sciences	Studies on Biodegradation Potential And Consortium Development of Novel Phenol Utilizing Halophilic Bacteria From Lonar Lake, India	Dr. Jaya Chakraborty, National Chemical Laboratory, Pune, Maharashtra, 411008	1920000
141	Life Sciences	Molecular Characterization of Zinc Solubilizing Bacterial Community Associated With Rice Rhizosphere And Their Role In Modulation of Zinc Transporter Genes	Dr. Iti Gontia, Jawaharlal Nehru Agricultural University, Jabalpur, Madhya Pradesh, 482004	1920000

142	Life Sciences	Proteomics And Metabolomics Based Investigation of Kidney Stone Degrading Biocatalysts From Macrotyloma Uniflorum (Horse Gram)	Dr. Manisha Gautam, CSK Himachal Pradesh Agricultural University, Palampur, Himachal Pradesh,	1920000
143	Life Sciences	Exploring The Medicinal Potential of Mucuna Pruriens L. With Special Emphasis On Its High Value Phytochemicals	Dr. Sruthi D, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
144	Life Sciences	Characterization of Synergistic Infection of Cymbidium Mosaic Virus and Odontoglossum Ringspot Virus Infecting Orchids In North East India: Development of Specific On-Site Diagnostics For Robust Indexing	Dr. Gayatri Khangjarakpam, ICAR Research Complex for NEH Region, Umiam, Meghalaya, 793103	1920000
145	Life Sciences	Insight Into The Osteo-Immuniological Factors Affecting Bone Physiology In Obese Pregnant Females	Dr. Ravi Kumar, National Institute of Immunology, New Delhi, Delhi, 110067	1920000
146	Life Sciences	Mechanism Of MicroRNA-122 Loading Into Exosomes: Role Of HuR.	Dr. Debduti Dutta, Indian Institute of Chemical Biology, Kolkata, West Bengal, 700032	1920000
147	Life Sciences	Development of Strip Based Sensor For Detection of Ferritin Protein In Human Sera Based On Dual Mode Sensing Property of Organometallic QDs and Their Bioimaging Characterization	Dr. Eepsita Priyadarshini, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
148	Life Sciences	Targeting Mitochondrial Calcium Fluxes Using CaCO ₃ NPs-SiNCLX-Resveratrol Particles For Cancer Therapy.	Dr. Viswambari Devi, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
149	Life Sciences	Characterization and Database Development of Heat Stress Responsive Long Non-Coding RNAs From Two Contrasting Cultivars of Tomato	Dr. Shikha Rani, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
150	Life Sciences	Synthesis And 3D Bioprinting Patches Of Mangostincarnosine Peptide With SF/Collagen Biomaterial For Cardiac Tissue Engineering	Dr. Kandhasamy Subramani, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
151	Life Sciences	Identifying Appropriate Pollinizer Strains For Higher Yield And Fruit Quality In Apple (Malus X Domestica Borkh.) Through Self Incompatibility Studies	Dr. Kounser Javeed, University of Kashmir, Srinagar, Jammu And Kashmir, 190006	1920000
152	Life Sciences	Biochemical Purification Of Mediator Complex From Rice (Oryza Sativa)	Dr. Shivendra Kumar, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
153	Life Sciences	Investigation Of Linker Peptide-Phycobiliprotein Interactions Using In Vitro Reconstitution And Structural Biology Methods	Dr. Ravi Raghavbhai Sonani, Bhabha Atomic Research Centre, Mumbai, Maharashtra, 400085	1920000

154	Life Sciences	Development Of In Vitro Model For Identification, Characterization And Manipulation Of Buffalo Mammary Stem Cells	Dr. Shanti Choudhary, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, Punjab, 141004	1920000
155	Life Sciences	A One Health Approach To Tackle Antimicrobial Resistance Problem In India	Dr. Arif Hussain, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
156	Life Sciences	Molecular And Functional Characterization Of Genes/Genetic Circuit(S) Of Polymer Degrading Bacteria And Development Of Microbial Tools/Model For In Situ-Remediation Of Plastics Like Polyurethane (PUR) And Low Density Polyethylene (LDPE)	Dr. Mousumi Saha, University of Calcutta, Kolkata, West Bengal, 700073	1920000
157	Life Sciences	Evaluate The Role Of Chitosan-Based Hydrogel Scaffolds In Osteoblast Proliferation And Mineralization In Critical Size Segmental Bone Defects/Bone Tissue Engineering	Dr. Shaikh Nisar Ali, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
158	Life Sciences	Exploring The Effect Arsenic Contaminated Groundwater On Rice Paddy Soil (RPS) Of West Bengal On RPS Microbiome, RPS Biogeochemical Cycles And Impact On Arsenic (As) Accumulation By The Rice Plants	Dr. Himadri Bose, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	1920000
159	Life Sciences	Deoxyribonucleotide-Sequence Specific Binding And Efficacy Of Theobromine: In Vitro Cellular Signaling Cascades And Obesity Related Changes In Mice	Dr. Sarita Sarkar, Bose Institute, Kolkata, West Bengal, 700009	1920000
160	Life Sciences	Role Of Vinculin In Nuclear Mechanotransduction	Dr. Avinanda Banerjee, Institute for Stem Cell Biology & Regenerative Medicine, Bangalore, Karnataka, 560065	1920000
161	Life Sciences	"Novel Molecular Approaches In The Management Of The Highly Economically Important Recent Invasive Alien Insect Pest, The South American Tomato Fruit Borer, Tuta Absoluta (Lepidoptera) In India"	Dr. Ramkumar Govindaraju, Indian Institute of Horticultural Research, Bangalore, Karnataka, 560089	1920000
162	Life Sciences	To Decipher The Histone Acetylation Dynamics During Drought Stress In Setaria Italica	Dr. Verandra Kumar, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
163	Life Sciences	Nanoparticle Conjugated Antimicrobials: A Promising Way To Combat Against Pathogenic Microbial Biofilm	Dr. Sayani Mitra, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
164	Life Sciences	A Study on The Anti-Metastatic Effects Of Human Milk Component Hamlet On Human Breast Cancer Cell Lines	Dr. Suganthi Muralidharan, Anna University Chennai, Chennai, Tamil Nadu, 600025	1920000

165	Life Sciences	Studies On Regulation Of Cu-ATPases By The Retromer Complex: A Novel Approach	Dr. Tanusree Saha, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	1920000
166	Life Sciences	Translational Research On Cell-Free DNA (Cf-DNA) Sensing Pathways For Early Diagnosis And Development Of Biomarker For Sepsis	Dr. Avinash Singh, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	1920000
167	Life Sciences	Generation Of Functional Genetic Resources For Nutrient Rich Potatoes Using Activation Tagging	Dr. Neha Sharma, Central Potato Research Institute, Shimla, Himachal Pradesh, 171001	1920000
168	Life Sciences	"Gene Expression Pattern Of Wood Decaying Fungus On Different Non Woody Substrates For Biofuel Production"	Dr. Sumbul Afreen, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
169	Life Sciences	Feasibility Of Using Industrial Wastewaters For Microalgae Cultivation With Increased Lipid Accumulation And Cost-Effective Biodiesel Production	Dr. Sourav Kumar Bagchi, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	1920000
170	Life Sciences	In Vitro Propagation, Reintroduction And In-Situ Conservation Of Paphiopedilum Druryi (Bedd.) Stein; A Strict Endemic And Critically Endangered Orchid Of The Western Ghats	Dr. Parthibhan S, Gandhigram Rural Institute (Deemed University), Dindigul, Tamil Nadu, 624302	1920000
171	Life Sciences	RNA-Guided AhFAD2 Gene Editing Using CRISPR/CAS9 System For Higher O/L Ratio In Groundnut	Dr. Riddhi Hasmukhray Rajyaguru, Junagadh Agricultural University, Junagadh, Gujarat, 362001	1920000
172	Life Sciences	Air Quality Index (AQI) For Pollinators	Dr. Geetha G T, National Centre for Biological Sciences, Bangalore, Karnataka, 560065	1920000
173	Life Sciences	Induction Of Autophagy By Targeting Novel MTOR G-Quadruplexes: Implication In Neurodegenerative Diseases	Dr. Dipayan Bose, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	1440000
174	Life Sciences	Antimicrobial Efficacy Of The Protected Forest Derived Soil Actinomycetes Against Class B Carbapenemase Producing Gram Negative Bacilli	Dr. Archana Nath, Institute of Advanced Study in Science and Technology, Guwahati, Assam, 781035	1920000
175	Life Sciences	Development Of Novel Anti-Cancer Agents From Endophytic Fungi Of Selected Marine Algae	Dr. Parthasarathy Ramalingam, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
176	Life Sciences	Identification Of Persistence Related Genes Of Mycobacterium Tuberculosis H37Rv And Their Roles For Survival And Persistence	Dr. Rishabh Sharma, Translational Health Science and Technology Institute, Faridabad, Haryana, 122016	1920000

177	Life Sciences	Epigenetic Therapy To Revert Epithelial-To-Mesenchymal Transition (EMT) And Suppress Cancer Metastasis	Dr. Lubna Wasim, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	1920000
178	Life Sciences	Discovery And Development Of Antiplasmodial Compound From Endophytic Actinobacteria Associated With Medicinal Plants Of Northeast India	Dr. Priyanka Sharma, International Centre For Genetic Engineering And Biotechnology(ICGEB), New Delhi, Delhi, 110067	1920000
179	Life Sciences	Multilayered Encapsulation Of 1- MCP And Hexanal As A Smart Delivery System To Enhance The Shelf Life Of Banana	Dr. Srivignesh Sundaresan, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, 641003	1920000
180	Life Sciences	Elucidating The Effect Of Resveratrol On Nrf2 Mediated Signalling And Unfolded Protein Responses During Parkinson's Disease Pathology	Dr. Ashish Singh, Central Drug Research Institute, Lucknow, Uttar Pradesh, 226031	1920000
181	Life Sciences	Assessment of The Distribution and Status Of Ferns Of Darjeeling, West Bengal	Dr. Shobhit Kumar Srivastava, D D U Gorakhpur University, Gorakhpur, Uttar Pradesh,	1920000
182	Life Sciences	Association Of Susceptible Variants Of Selected Pro-Inflammatory Cytokines With The Disease Manifestation Of Asthmatic Patients Exposed To Dust Mite Allergen In Kolkata, India.	Dr. Debarati Dey, University of Calcutta, Kolkata, West Bengal, 700073	1920000
183	Life Sciences	Pesticide Exposure and Sperm Fertilizing Ability: A Study On Bovine Model	Dr. Shivani Chhillar, National Dairy Research Institute, Karnal, Haryana, 132001	1920000
184	Life Sciences	Immunomodulatory Efficacy Of Mannose And N-Acetyl Glucosamine Rich Extracellular Polysaccharides Of Sponge Associated Bacteria- A Fish Model Prebiotic Study	Dr. Ramamoorthy Sathishkumar, Madurai Kamaraj University, Madurai, Tamil Nadu, 625021	1920000
185	Life Sciences	Characterization Of The Wnt Pathway And Its Inhibitor DKK2 In Rhabdomyosarcoma.	Dr. Bhargab Kalita, Regional Centre for Biotechnology, Faridabad, Haryana, 121004	1920000
186	Life Sciences	Spatial And Temporal Organization Of Tubulin Modifications In Cilia And Flagella.	Dr. Venktraman G Rao, Institute for Stem Cell Biology & Regenerative Medicine, Bangalore, Karnataka, 560065	1920000
187	Life Sciences	"Investigations On Signal Molecules Responsible For Host Susceptibility To Thrips (Thysanoptera) Infestation In Capsicum Species And Its Effect On Carotenoids And Capsaicin Content Of Fruits"	Dr. Nandani B, Central Food Technological Research Institute, Mysore, Karnataka, 570020	1920000

188	Life Sciences	Identification Of Viral Pathogenicity Determinant And Host MicroRNA Associated With The Disease Caused By CGMMV In Experimental And Natural Host Mild Mottle In Watermelon	Dr. A Abdul Kadar Jailani, International Centre For Genetic Engineering And Biotechnology (ICGEB), New Delhi, Delhi, 110067	1920000
189	Life Sciences	Modulatory Influence Of Experimental Intervention By A Novel Compound (AECHL-1) On The Molecular Events During Leishmania Donovanii Infection To Host Macrophage (Balb/C Mice).	Dr. Sunil Kumar Dhatwalia, Panjab University, Chandigarh, Chandigarh, 160014	1920000
190	Life Sciences	Investigation Of Effect Of CDRI08 (Keenmind) On Parkinson's Disease Pathology	Dr. Arun Kumar Yadawa, Central Drug Research Institute, Lucknow, Uttar Pradesh, 226031	1920000
191	Life Sciences	Identification Of Host Plant Volatiles And Odorant-Binding Proteins From Banana Stem Weevil, Odoiporous Longicollis (Coleoptera: Curculionidae) Antennae For Monitoring And Management Of The Pest	Dr. Mani Kannan, National Research Centre for Banana, Tiruchirappalli, Tamil Nadu, 620102	1920000
192	Life Sciences	“Structural And Functional Insights Of Procoagulant Activity Of Latex Proteases From Plants.”	Dr. Malathy Palayam, Anna University, Chennai, Tamil Nadu, 600025	1920000
193	Life Sciences	Exploring The Role Of Γ -Amino Butyric Acid Pathway And L-Myo-Inositol-1-Phosphate Synthase For Molecular Intervention Strategies Against Sheath Blight Disease Of Rice	Dr. Mamta Rani, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
194	Life Sciences	Quantitative Assessment Of Biofuel Ethanol Production From Seagrasses By Using Marine Actinobacteria	Dr. Rajkumar Jayaraj, A V V M Sri Pushpam College, Thanjavur, Tamil Nadu, 613503	1920000
195	Life Sciences	Studying Aldehyde Dehydrogenase 1 (ALDH1) Profile In Malignant Human Mammary Cells For Prediction Of Disease Recurrence Pattern In Different Breast Cancer Molecular Subtypes.	Dr. Taniya Saha, Institute of Post Graduate Medical Education and Research & SSKM Hospital, Kolkata, West Bengal, 700020	1920000
196	Life Sciences	Population Structure And Genetic Diversity Of Five Torrential Fishes From The North East India: Implications For Conservation	Dr. Gitartha Kaushik, North Eastern Hill University, Shillong, West Bengal, 793022	1920000
197	Life Sciences	Aflatoxin Elimination Potency Of Lactic Acid Bacteria: Studies On Mechanism Of Action And Assessment Of Aflatoxin B ₁ Reduction Ability In Food Models	Dr. Abhishek Rayasandra Umesh, University of Agricultural Sciences Bangalore, Bangalore, Delhi, 560065	1920000
198	Life Sciences	Development Of Potential Molecules/Agents Against Chikungunya Infection	Dr. Siva Raghavendhar Boddu, Indian Institute of Technology Delhi, New Delhi, Uttar Pradesh, 110016	1920000
199	Life Sciences	Understanding The Role Of SATB Family Chromatin Organizers In Regulating Cell Plasticity Towards Colorectal Cancer Progression And Therapy	Dr. Rutika Ramesh Naik, Indian Institute of Science Education and Research Pune, Pune, Telangana, 411008	1920000

200	Life Sciences	Understanding The Role Of Sirtuins, A Class Of Histone Deacetylases (HDACs), In Plant Development And Stress Responses.	Dr. Alka Singh, National Institute of Plant Genome Research, New Delhi, Assam, 110067	1920000
201	Life Sciences	Reactivating Fetal Hemoglobin In Patient-Derived Human Stem Cells Through MiR-96 Knockout Using CRISPR/Cas9; An Approach For Treating B-Hemoglobinopathies	Dr. Neelam Lohani, Institute of Genomics and Integrative Biology, Delhi, Tamil Nadu, 110007	1920000
202	Life Sciences	Role of Rv0430 (Nucleotide Associated Protein) In Chromosome Organisation And Gene Expression In Mycobacterium Tuberculosis	Dr. Ashutosh Kumar Rai, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Maharashtra, 560064	1920000
203	Life Sciences	Role Of Coagulation Factors In Breast Cancer Promotion And Progression And Their Modulation By Natural Means.	Dr. Ruma Sarkar, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	1920000
204	Life Sciences	Elucidation Of The Evolutionary Relationship Of RNA And Peptides In Catalytic Action Of D-Aminoacyl-TRNA Deacylase (DTD) And Similar Proteins.	Dr. Akshay Bhatnagar, Centre for Cellular and Molecular Biology, Hyderabad, Karnataka, 500007	1920000
205	Life Sciences	Fabrication Of A Microfluidic Device For Intraocular Pressure Monitoring In The Management Of Glaucoma.	Dr. Kshipra Naik, Indian Institute of Technology Madras, Chennai, Uttar Pradesh, 600036	1920000
206	Life Sciences	Development Of DNA Based Diagnostic Technique For Identification And Characterization Of Enterovirus 71 Isolates From An Indian Tertiary Care Teaching Hospital	Dr. Subrat Kumar Swain, Siksha O Anusandhan University, Bhubaneswar, Delhi, 751003	1920000
207	Life Sciences	Study The Effects of Various Types Of Cofactors Influencing YAP/TAZ Related Cancers In Human	Dr. Ayesha Rahman, Indian Institute of Science Education and Research Pune, Pune, Orissa, 411008	1920000
208	Life Sciences	Understanding Antimicrobial Resistance Of Ocular Pathogens By Profiling The Ocular Resistome	Dr. Kalyana Chakravarthy, Hyderabad Eye Research Foundation, Hyderabad, Uttar Pradesh, 500034	1920000
209	Life Sciences	Validation Of Novel Genome-Editing Strategy For Gene Therapy For B-Thalassemia	Dr. Santhosh Chandar Maddila, Christian Medical College, Vellore, Tamil Nadu, 632004	1920000
210	Life Sciences	Efficiencies Of PS-I And II Activities Under High Temperature Conditions And Their Role On Carbon And Nitrogen Metabolism In Wild Rice Accessions And HYVs.	Dr. Rajesh Kondamudi, Directorate of Rice Research, Hyderabad, Tamil Nadu, 500030	1920000
211	Life Sciences	Bioprospecting Of Phytochelatin Biosynthetic Gene(S) From Crop Species Of Vigna And Their Validation For Heavy Metal (Cu, Zn, Cd) Stress Tolerance	Dr. Koushik Biswas, Visva Bharati University, Shanti Niketan, Orissa, 731235	1920000

212	Life Sciences	Degradation Of Hydrocarbon By Cyanobacterial Species And Its Application For Cleaning Hydrocarbonaceous Pollutants From Formation Water Of Oil Field Of Upper Assam	Dr. Bhaskar Das, Institute of Advanced Study in Science and Technology, Guwahati, West Bengal, 781035	1920000
213	Life Sciences	Role Of MSR Proteins In Improving Seed Viability And Seedling Survival Under Stress Conditions In Ground Nut(Arachis Hypogaea)	Dr. Ragula Seenaiiah, University of Agricultural Sciences Bangalore, Bangalore, Delhi, 560065	1920000
214	Life Sciences	Pan-Genomic Approach In Exploiting Cyanobacteria For Biotechnological Applications	Dr. Gayathri Manickam, Madurai Kamaraj University, Madurai, Delhi, 625021	1920000
215	Life Sciences	Thermomorphogenic Effects On Etiolation And Tuberization In Potato: Characterizing The Key Regulatory Candidate Genes.	Dr. Appanna V Koppad, University of Agricultural Sciences Banglore, Bangalore, Karnataka, 560065	1920000
216	Life Sciences	The Impact of Maternal Prenatal Stress On The Neurocognitive Function Of Offspring	Dr. Piyali Misra, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1920000
217	Life Sciences	Targeting Dormant Mycobacterium Tuberculosis Through Novel Bone - Homing Liposomes	Dr. Jaishree Garhyan, Vallabhbhai Patel Chest Institute, Delhi University, Delhi, Delhi, 110007	1920000
218	Life Sciences	Developing Folate Decorated Drug Loaded TiO ₂ Nanoparticles For Breast Cancer Treatment	Dr. Swayamprava Dalai, National Institute of Science Education and Research Bhubaneswar, Bhubaneshwar, Orissa, 751005	1920000
219	Life Sciences	Spermicidal Efficacy of Iodine Exposure On Male Reproductive System: Future Perspectives To Be Explored As Non-Hormonal Male Contraceptive	Dr. Arijit Chakraborty, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	1920000
220	Life Sciences	Multiplexed CRISPR-Cas Mediated Targeted Editing Of Gibberellin Genes To Develop Semi- Dwarf Pigeonpea For Yield Improvement	Dr. Venkat Raman, National Research Centre on Plant Biotechnology, New Delhi, Delhi, 110012	1440000
221	Life Sciences	Engineering Of Saccharomyces Cerevisiae For Efficient Ethanol Production And Its In Vivo Quantification By FRET-Based Nanosensor	Dr. Preeti Nandal, Jamia Millia Islamia, New Delhi, Delhi, 110025	1920000
222	Life Sciences	Evaluation of Reproductive Barriers In Penaeid Shrimps And Developing Interspecific Hybrids Of Candidate Species For Sustainable Aquaculture	Dr. Balamurugan J, Central Institute of Brackishwater Aquaculture, Chennai, Tamil Nadu, 600028	1920000
223	Life Sciences	Transcriptional Repression Of Dcw Operon In Mycobacteria: Global Transcriptomic And Proteomic Analysis	Dr. Eniyan Kandasamy, Vit University, Vellore, Tamil Nadu, 632014	1920000

224	Life Sciences	Delineating Anti-Carcinogenic Properties And Chemo-Preventive Mechanism Of Nisin Against Breast Cancer.	Dr. Vijendra Kumar N, Central Food Technological Research Institute, Mysore, Karnataka, 570020	1920000
225	Life Sciences	Evaluation Of Impact Of Elevated Carbon Dioxide And Drought On Photosynthesis And Crop Productivity Of Rice For Climate Resilient Agriculture.	Dr. Deepika Kandoi, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
226	Life Sciences	Analysis of Immune Checkpoint Alteration In Epstein–Barr Virus Associated Gastric Carcinoma In Indian Patients	Dr. Biswabandhu Bankura, Chittaranjan National Cancer Institute, Kolkata, West Bengal, 700026	1920000
227	Life Sciences	Identifying Different Stages Of Endothelial Dysfunction In Vitro And Validating Them In Individuals Exposed To Cardiovascular Risk Factors	Dr. Shamina Akhtar, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	1920000
228	Life Sciences	Fear and Function: How Do Predators And Livestock Influence Plant Regeneration By Mediating The Behaviour Of Wild Ungulates That Disperse Seeds?	Dr. Sachin Sridhara, National Centre for Biological Sciences, Bangalore, Karnataka,	1920000
229	Life Sciences	Evaluating Potential Of Diatoms As A Tool For Biomonitoring, Bioremediation And Biofuel Production	Dr. Lalit Kumar Pandey, Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh, 221005	1920000
230	Life Sciences	Bioprospecting Of Potential Bioactive Anticancer Compounds From Brown Seaweeds Of Andaman Islands	Dr. Reena Singh, Andaman And Nicobar Centre For Ocean Science and Technology - NIOT, Port Blair, Andaman And Nicobar Islands, 744103	1920000
231	Life Sciences	Evaluation Of Molecular Modulating Role Of Jatropha Tanjorensis (Euphorbiaceae) On NF-KB/Nrf2 Signaling Pathway Of Colon Carcinogenesis	Dr. Sathish Kumar, Anna University, Chennai, Tamil Nadu, 6000025	1920000
232	Life Sciences	Potential Antituberculosis Metabolites From Actinobacteria Isolated From Bhitarkanika Mangrove Ecosystem, Odisha	Dr. Premalata Pati, Sathyabama University, Chennai, Tamil Nadu,	1920000
233	Life Sciences	Structural Characterization Of Proteins From YedWV-CusSR Two Component System In E Coli.	Dr. Rakesh Chatterjee, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	1920000
234	Life Sciences	Phytomolecules Induced ROS/RNS And Their Effect On Plasmodium Falciparum Proteases Activity/ Structure: Implications For Development Of Novel Antimalarial Agent	Dr. Vigyasa Singh, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000

235	Life Sciences	Elucidating The Role Of Alternative Splicing Of Uncharacterized LRK10 Like Gene Encoding Serine/Threonine Protein Kinase For Blast Resistance In Rice	Dr. Amit Pareek, National Research Centre on Plant Biotechnology, New Delhi, Delhi, 110012	1920000
236	Life Sciences	Identification And Structural Characterization Of Precursor Conformation Of Prion Protein At Different PH Aiding In Drug Discovery: In-Silico Profiling Study	Dr. Chandrasekaran Palaniappan, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
237	Life Sciences	Development of Micro/Nano Anacardic Acid from Cashewnut Waste As An Effective Alternative To Synthetic Food Preservatives	Dr. Preethi Ramakrishnan, Indian Institute of Food Processing Technology, Thanjavur, Tamil Nadu, 613005	1920000
238	Life Sciences	Genomic And Evolutionary Analysis Of Drug Resistant Mycobacterium Tuberculosis For Applications To TB Management In India.	Dr. Paromita Chakraborty, Assam University, Silchar, Assam, 788011	1920000
239	Life Sciences	Study Of Plastic Leach Impact On Hemangioblast Differentiation In The Early Phase Of Embryonic Development	Dr. Suganya N, Anna University, Chennai, Tamil Nadu, 600025	1920000
240	Life Sciences	Structural Study Of Subunits Of Arabidopsis Multiprotein Transcriptional Cofactor	Dr. Pradeep Dahiya, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, Delhi, 110067	1920000
241	Life Sciences	Developing CRISPR/Cas9 Edited Cisgenic Cajanus Cajan Lines For Improved Weed Management And High Yields	Dr. Rachana Verma, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, Delhi, 110067	1920000
242	Life Sciences	Role Of Cancer Stem Cells In The Maintenance Of Cancer Cell Mitochondrial Content And Tumorigenicity	Dr. Himanshi Kapoor, Institute of Genomics and Integrative Biology, Delhi, Delhi, 110007	1920000
243	Life Sciences	Diversity And Bioactivity Assessment Of Culturable Aerobic Heterotrophic Bacterial Population From The Hypogean Environments Of Meghalaya, India	Dr. Subhro Banerjee, Gauhati University, Guwahati, Assam, 781014	1920000
244	Life Sciences	Role Of N-Linked Glycosylation In Prion Protein Pre-Aggregation: A Molecular Dynamics Study	Dr. Manju Kumari, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
245	Life Sciences	Microbial Polymeric Material As an Unique Source For Anticorrosive Applications.	Dr. Muthu Lakshmi Suryasankar, Madurai Kamaraj University, Madurai, Tamil Nadu, 625021	1920000
246	Life Sciences	Structural And Functional Characterization Of Histone Chaperone CAF1-P60 Protein In The Context Of Epigenetic Dynamics And Its Implication In Triple Negative Breast Cancer (TNBC)	Dr. Senjuti Sen, Indian Institute of Chemical Biology, Kolkata, West Bengal, 700032	1920000

247	Life Sciences	Exploration, Evaluation And Characterization Of Trillium Govanianum From Western Himalayas And Prospectives Of Its Cultivation	Dr. Saurabh Sharma, G B Pant Institute of Himlayan Environment and Development, Almora, Uttarakhand, 175126	1920000
248	Life Sciences	Oceanic Phytoplankton In Changing Climate: An Assessment For North Eastern Part Of Arabian Sea	Dr. Gunjan Sachanand Motwani, Space Application Centre, Ahmedabad, Gujarat, 380015	1920000
249	Life Sciences	The Immuno-Modulatory Role Of Down Syndrome Critical Region 1 (DSCR1) In The Underlying Immunodeficiency Of Down Syndrome	Dr. Susmita Roy, Maulana Abul Kalam Azad University of Technology, Kolkata, West Bengal, 700064	1920000
250	Life Sciences	Metabolic Engineering Of Saccharomyces Cerevisiae Using CRISPR-Cas9 System For Biodiesel Production	Dr. Priya Kumari, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, Delhi, 110067	1920000
251	Life Sciences	Epigenetic Regulation Of Glioblastoma Multiforme (GBM) Stemness And Differentiation In Development Of GBM Differentiation Based Therapeutics	Dr. R Gajendra Reddy, Centre for Cellular and Molecular Biology, Hyderabad, Telangana, 500007	1920000
252	Life Sciences	Molecular Phylogenetic Reconstruction Of Phyllanthus, Glochidion And Allies (Phyllanthaceae, Tribe Phyllanthaeae) Based On NrITS And MatK DNA Sequences	Dr. Prem Prakash Jangid, University of Delhi, Delhi, Delhi, 110007	1920000
253	Life Sciences	Transcriptome Analysis, Gene Annotation And Mining Of A Golden Herb-Garlic (Allium Sativum L.) Expressing Resistance To Destructive Purple Blotch (Alternuria Porri).	Dr. Aejaz Ahmad Dar, Sher-E-Kashmir University of Agricultural Sciences And Technology Jammu, Jammu, Jammu And Kashmir, 180009	1920000
254	Life Sciences	Spectral Mixture Analysis In Identification Of Plant Functional Types	Dr. Ramandeepkaur Manjitsingh Malhi, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	1920000
255	Life Sciences	To Explore Immune Players In Differential Clinical Conditions of Hepatitis B Viral Infection	Dr. Vijay Rangnath Chavan, National Institute of Immunohematology, Mumbai, Maharashtra, 400012	1920000
256	Life Sciences	Novel Method Development of Electrochemical Biosensor for The Determination of Urea	Dr. Nalini P, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500607	1920000
257	Life Sciences	STRAP (Serine-Threonine Kinase Receptor-Associated Protein) Mediated Autophagy In Cell Survival Of Dictyostelium Discoideum.	Dr. Himanshu Mishra, University of Delhi South Campus, New Delhi, Delhi, 110021	1920000
258	Life Sciences	Role Of ERK1/2 In The Regulation of Estrogen Receptor Targeted Genes In Breast Cancer	Dr. Rajeshwari H Patil, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000

259	Life Sciences	Identification of Genes and Their Functions Introgressed From <i>Diplotaxis Erucoides</i> For Developing Resistance to <i>Alternaria Leaf Spot</i> In <i>Brassica Juncea</i>	Dr. Naresh Vasupalli, National Research Centre on Plant Biotechnology, New Delhi, Delhi, 110012	1440000
260	Life Sciences	Mechanistic Studies On The Regulation Of GnRH Synthesis And Release Under Altered Metabolism During Aging.	Dr. Moitreyi Banerjee, Goa University, Taleigao Plateau, Goa, 403208	1920000
261	Life Sciences	In Vivo Drug Discovery For Tauopathy Using Transgenic Zebrafish	Dr. Rajesh Pamanji, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
262	Life Sciences	To Identify The Integrated Participation Of Astrocyte And Neuronal Autophagy And Apoptotic Mechanisms In Arsenic-Mediated Brain Damage	Dr. Shabana Anjum, Indian Institute of Toxicology Research, Lucknow, Uttar Pradesh, 226001	1920000
263	Life Sciences	Role and Mechanistic Insight Of PROTEIN L-ISOASPARTYL METHYL TRANSFERASE (PIMT) In Plant Immunity	Dr. Shweta Roy, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
264	Life Sciences	Characterization of Ankyrin Repeats Containing Protein Of <i>Plasmodium Falciparum</i> For Their Role In Parasite Establishment In Human Erythrocyte	Dr. Kalamuddin, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, Delhi, 110067	1440000
265	Life Sciences	Prevention Of Mycotoxin Production In Cereal Grains During Post-Harvest Storage Using Food Grade Lactic Acid Bacteria.	Dr. Soma Barman, Tezpur University, Tezpur, Assam, 784028	1920000
266	Life Sciences	Creating Genetic Variability In Rice By Disrupting DNA Mismatch Repair Gene MSH2 Using CRISPR/Cas 9 To Identify Drought Tolerant And High Yielding Types	Dr. Kiranmai Kurnool, University of Agricultural Sciences Bangalore, Bangalore, Karnataka, 560065	1920000
267	Life Sciences	Effect of Weldelolactone-Gold Nanoparticles Against Di(2-Ethyhexyl) Phthalate (DEHP)-Induced Cytotoxicity, B-Cell Dysfunction Through TheNF-KB Activation And Bcl-2/Bax Apoptotic Pathway In INS-1 Cells/Rats	Dr. Ramachandran Vinayagam, Thiruvalluvar University, Vellore, Tamil Nadu, 632004	1920000
268	Life Sciences	Investigating The Role Of High Risk Human Papilloma Virus E5 Protein In Regulation Of Crosstalk Of Apoptosis Signals Between Mitochondria And Endoplasmic Reticulum.	Dr. Deepa Gandhi, Central Drug Research Institute, Lucknow, Uttar Pradesh, 226031	1920000
269	Life Sciences	Community Structure And Ecology Of Diatoms In The Rocky Pools Of The Western Ghats	Dr. Surajit Roy, Agharkar Research Institute, Pune, Maharashtra, 411004	1920000
270	Life Sciences	Role Of HIFs On Matrix Metalloproteins And Extra Cellular Matrix Proteins In The Progression Of Alcoholic Liver Fibrosis	Dr. Saradamma Bulle, Jawaharlal Nehru Technological University Anantapur, Anantapur, Andhra Pradesh, 515002	1920000

271	Life Sciences	Isolation And Characterization Of Antifungal Protease Inhibitors For Biotic Stress Breeding In Nutri-Dense Pearl Millet	Dr. Marri Swathi, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	1920000
272	Life Sciences	Documentation, Conservation, Domestication And Popularization Of Potential Indigenous Wild Orchids Of Karnataka	Dr. Sahana Vishwanath, University of Agricultural Sciences Bangalore, Bangalore, Karnataka, 560065	1920000
273	Life Sciences	Functional Characterization of Transgenic Rice Plants Overexpressing OsMPK3 And OsMPK6	Dr. Chandana Pandey, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
274	Life Sciences	Synthesis And Evaluation of P- Glyco Protein Inhibitors – Keys To Optimal Drug Delivery	Dr. Rayala Sarika, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500607	1920000
275	Life Sciences	Fabrication of A Non-Mulberry Silk Fibroin Protein Based 3D In Vitro Triple Negative Breast Tumor Model For Appraisal Of EGFR Targeted Anticancer Drug Activity.	Dr. Biman B Mandal, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1920000
276	Life Sciences	Developing Anti-Diabetic Rice With High Resistant Starch, Low Glycemic Index And Unraveling The SNPs In The Genes Involved In Starch Biosynthesis Pathway	Dr. Ramchander Selvaraj, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	1920000
277	Life Sciences	Functional Role of Pyrabactin Like (PYL) Receptors In Hormonal Cross Talks In Ginger-Pythium Interactions	Dr. Sayuj K P, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	1920000
278	Life Sciences	Carbon Sequestration Potential of Diatom Algae To Ensure Strategic Conservation of Urban Wetlands of Vidarbha Region	Dr. Manisha Pandurang Meshram, National Environmental Engineering Research Institute, Nagpur, Maharashtra, 440020	1920000
279	Life Sciences	Characterization of Regulatory Networks of Transcription Factors Showing Cultivar Specific Drought Response In Rice.	Dr. Priyanka Agarwal, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
280	Life Sciences	Exploring PARP1-TDP1 DNA Repair Pathway As A Co-Target With Topoisomerase I (Top1) Inhibitor In BRCA -Less Ovarian Cancer.	Dr. Jayasree Roy, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	1920000
281	Life Sciences	Molecular Characterization Of Gene Mutations In Leukemias With Special Reference To Acute Myeloid Leukemia: A Study Of Jammu Region Of J&K State.	Dr. Roopali Fotra, University of Jammu, Jammu, Jammu And Kashmir, 180006	1920000

282	Life Sciences	Cholinesterase Inhibitors Induced Structural And Functional Transition Of Ferritin And Transferrin: Implications Of Alzheimer's Drugs	Dr. Mohd Anas Shamsi, Jamia Millia Islamia, New Delhi, Delhi, 110025	1920000
283	Life Sciences	Elucidation Of Giardia Nuclear Pore Complex Composition And Its Evolutionary Relevance With Human Nuclear Pore Complex	Dr. Somnath Dutta, National Centre for Cell Science, Pune, Maharashtra, 411007	1920000
284	Life Sciences	Diversity And Distribution Of Woody Plant Communities And Their Leaf Functional Strategies In Western Ghats Of Goa, India	Dr. Vivek P, Goa University, Taleigao Plateau, Goa, 403208	1920000
285	Life Sciences	Extraction Of Value-Added Products From Paper Industry Waste Using Bacterial Laccase: An Eco-Friendly Approach To Wealth From Waste	Dr. Senthivelan T, SATHYABAMA University, Chennai, Tamil Nadu, 600119	1920000
286	Life Sciences	Delineating Genome Wide Methylation Dynamics In Cows Of Native And Exotic Origin: An Approach To Understand Heat Stress Adaptation	Dr. Preeti Verma, National Dairy Research Institute, Karnal, Haryana, 132001	1920000
287	Life Sciences	Studies on Glycation-Induced Protein Modification	Dr. Sauradipta Banerjee, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302	1920000
288	Life Sciences	HSP90 Inhibitors For Breast Cancer	Dr. Parthasarathy Rangarajan, Pondicherry University, Puducherry, Puducherry, 605014	1920000
289	Life Sciences	Design Of Antinephrolithiatic Peptide-Nanoparticles	Dr. Sarmistha Saha, Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, 382424	1920000
290	Life Sciences	Evaluation Of Anti-Vibrio Efficacy Of Conjugated Seaweed Polysaccharide In Shrimp Litopenaeus Vannamei	Dr. Marudhupandi Thangapandi, Alagappa University, Karaikudi, Tamil Nadu, 630003	1920000
291	Life Sciences	Function Of Stress-Responsive Mediator Subunit Genes	Dr. Sourobh Maji, University of Delhi South Campus, New Delhi, Delhi, 110021	1920000
292	Life Sciences	Oral Treatment With Saccharomyces Boulardii Modulates Immune Responses And Protective Mechanisms Against Vibrio Anguillarum Infection In Zebrafish (Danio Rerio)	Dr. Ramesh Dharmaraj, Central Institute of Fresh Water Aquaculture, Bhubaneshwar, Orissa, 751002	1920000
293	Life Sciences	Dietary Potential of Thraustochytrids On Growth, Nutraceuticals, Immunostimulation Responses in The Food Fish (Lates Calcarifer)	Dr. Kalidasan K, Andaman And Nicobar Centre For Ocean Science and Technology - NIOT, Port Blair, Andaman And Nicobar Islands, 744103	1920000
294	Life Sciences	Understanding Chemical And Molecular Basis Of Host Specialization In A Native Hostplant-Insect Herbivore System	Dr. Ashish Balwant Deshpande, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1920000

295	Life Sciences	Enhancing Plant Immunity Against Alternaria And Aphid By Using Small Peptide Elicitors	Dr. Chetana Aggarwal, National Research Centre on Plant Biotechnology, New Delhi, Delhi, 110012	1920000
296	Life Sciences	Enhanced Production And Gene Expression Of Camptothecin - Potential Anti-Cancer Alkaloid Drug In Hairy Root Culture Of Miquelia Dentata Bedd. Using Elicitors.	Dr. Ganesan Mahendran, Central Institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh, 226015	1920000
297	Life Sciences	Alternate Day Fasting Resembles Recurrent Insulin-Induced Hypoglycemia Model In Rats	Dr. Vigneshwaran Pitchaimani, Birla Institute of Technology and Science Pilani, Pilani, Rajasthan, 333031	1920000
298	Life Sciences	Heavy Metal Stress Induced Physiological, Biochemical And Secondary Metabolic Responses In Two Medicinally Important Plants: Centella Asiatica And Gymnema Sylvestre	Dr. Tanya Biswas, University of Lucknow, Lucknow, Uttar Pradesh, 226007	1920000
299	Life Sciences	Phenolics As Allelochemicals Promoting Spread And Dominance Of Invasive Plant Species And Their Role In Carbon Sequestering And Restoration Of Degraded Land	Dr. Rafiq Ahmad Lone, University of Kashmir, Srinagar, Jammu And Kashmir, 190006	1920000
300	Life Sciences	Process Optimization For Bioactivity Guided Extraction Of Phytochemicals From Indian Medicinal Plants	Dr. Kriti Kumari Dubey, Institute of Chemical Technology, Mumbai, Maharashtra, 400019	1920000
301	Life Sciences	An In-Silico Approach To Explore The Evolutionary Signatures Of Host Pathogen Interactions.	Dr. Aranyak Goswami, Bose Institute, Kolkata, West Bengal, 700054	1440000
302	Life Sciences	Quantitative Trait Loci Mapping For Agricultural Important Traits In Safflower (Carthamus Tinctorius L.)	Dr. Astha Gupta, University of Delhi, Delhi, Delhi, 110007	1920000
303	Life Sciences	Exploration Of Epiphytic Microbiome Of Wetland Rice Crop And Exploitation Of Its Potential For Plant Growth Promotion And Biological Control Of Rice Diseases.	Dr. Jancy Kalpana B, University of Madras, Chennai, Tamil Nadu, 600005	1920000
304	Life Sciences	Genome-Wide Mining And Characterization Of Microsatellite Markers For Anthracnose Resistance In Chilli (Capsicum Species).	Dr. Ashutosh Rai, Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh, 221305	1920000
305	Life Sciences	Crosstalk On Autophagy And Apoptosis: As A Novel Molecular Therapeutic Target In Non Small Cell Lung Cancer	Dr. Mirza Masroor Alibeg, Jamia Hamdard, New Delhi, Delhi, 110062	1920000
306	Life Sciences	Surface Functionalization Of Gadolinium Nanorods With Smart Polymer For Anticancer Theronostic Applications	Dr. Subha, University of Madras, Chennai, Tamil Nadu, 600005	1920000
307	Life Sciences	Regulation Of Actin Cytoskeleton Due To Mitochondrial Dysfunction Mediated ATP Loss In Parkinson's Disease	Dr. Tapasi Roy, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	1920000

308	Life Sciences	Insight Of Lactoferrin Tethered Temozolomide Loaded ORMOSIL Nanoparticle Crossing BBB And Live Imaging Of Microglial Uptake Of Apoptotic Glioma Cells In Transgenic Zebrafish In Vivo	Dr. S Sundarraj, Sathyabama University, Chennai, Tamil Nadu, 600119	1920000
309	Life Sciences	Validating Mutant P53-ETS2 Interactions, A Potential Anti Tumor Drug Target, By NMR Spectroscopy For Structure Based Design Of Inhibitors Of Mutant P53-ETS2 Molecular Association	Dr. Madhumita Chakraborty, Bose Institute, Kolkata, West Bengal, 700054	1920000
310	Life Sciences	Prediction Of Drug Repurposing And Drug Side Effects By Analyzing Drug-Receptor Interactome Network: A Case Study On The Approved Drug For Cancer Treatment	Dr. Neshatul Haque, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500607	1920000
311	Life Sciences	Integrated Proteogenomic Analysis To Identify Novel Splice Isoforms In Glioblastoma	Dr. Lavanya Balakrishnan, Mazumdar Shaw Medical Foundation, Bangalore, Karnataka, 560099	1920000
312	Life Sciences	Exome Sequencing Based Detection Of Novel And Causal Mutation(S) Associated With Juvenile Onset Open Angle Glaucoma (JOAG)	Dr. Shweta Birla Dhakonia, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, Delhi, 110067	1920000
313	Life Sciences	Evaluating Effect Of Phthalate Exposure On Human Gut Microbiota In A Dynamic In Vitro Human Digestive Simulation Model	Dr. Rishi Mahajan, Jaypee University of Information Technology, Solan, Himachal Pradesh, 173234	1920000
314	Life Sciences	Interaction of Reactive Oxygen Species, Nitric Oxide and Cytosolic Ph During Stomatal Closure By Aba, Salicylic Acid Or Chitosan In Arabidopsis Thaliana	Dr. Sunitha Vaidya, University of Hyderabad, Hyderabad, Telangana, 500046	1920000
315	Life Sciences	Elucidating The Role Of Intracellular (Endoplasmic Reticulum) Stores In Calcium Signaling And Plasticity At Hippocampal Synapses Using Computational Models	Dr. Gaurang Yashwant Mahajan, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1920000
316	Life Sciences	To Identify The Differential Behavioral Patterns In Tumor Transcriptome And MiRNome Of Smokeless Tobacco Habituated And Non-Habituated Oral Cancer Patients	Dr. Shanaya Khush Patel Bakeri, Ahmedabad University, Amreli, Gujarat, 380009	1920000
317	Life Sciences	Structural Characterization And Functional Analysis Of Entamoeba Histolytica Serine Protease Inhibitor In Amoebic Pathogenicity	Dr. Mohd Farhan Ali, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
318	Life Sciences	Unraveling The Curcumin Induced Longevity Signal Transduction Pathways In Caenorhabditis Elegans	Dr. Virendra Shukla, Baba Saheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh, 226025	1920000

319	Life Sciences	TBI Rehabilitation: The Efficacy Of EEG-Neurofeedback And Its Neuroimaging Correlates- A Comparative Study.	Dr. Rajnish Kumar Gupta, National Institute of Mental Health and Neuro Sciences, Bangalore, Karnataka, 560029	1920000
320	Life Sciences	Functional Characterization Of The ROS-Mediated Oxidized Lipidome In Human Cancer Cells	Dr. Neha Khandelwal, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1920000
321	Life Sciences	Immunomodulator Mediated Changes In Ceramide Generation During Visceral Leishmaniasis	Dr. Nivedita Roy, Bose Institute, Kolkata, West Bengal, 700054	1920000
322	Life Sciences	Study On The Epigenetic Regulation Of Free Fatty Acid Induced Insulin Resistance	Dr. Bhaskarjyoti Gogoi, Dibrugarh University, Dibrugarh, Assam, 786004	1920000
323	Life Sciences	Identification Of Candidate Seed-Specific Transporter Genes Modulating Biosynthesis Of High Amylose Starch In Bread Wheat (<i>Triticum Aestivum</i> L.)	Dr. Abhishek Bhandawat, National Agri Food Biotechnology Institute, Mohali, Punjab, 160071	1920000
324	Life Sciences	Study On Fungal Inhabitants of Resinous And Healthy Agarwood Plant <i>Aquilaria Malaccensis</i> And Rhizospheric Soil For Development Of An Efficient Biological Agarwood Induction Method.	Dr. Kaushik Bhattacharjee, Institute of Advanced Study in Science and Technology, Guwahati, Assam, 781035	1920000
325	Life Sciences	Generation Of Transcriptome And Small RNA Libraries Of Ethno-Medicinal Plant <i>Allium Hookeri</i> And Investigating The Role Of MicroRNA(S) In Regulating Secondary Metabolite Pathway	Dr. Mutum Roseeta, Institute of Bioresources And Sustainable Development, Imphal, Manipur, 795001	1920000
326	Life Sciences	Activated Platelet Rich Plasma In Functionalized Injectable Hydrogel For Vascularization And Tissue Regeneration In Chronic Tissue Defects	Dr. Murali Ragothaman, Anna University, Chennai, Tamil Nadu, 6000025	1920000
327	Life Sciences	Utilizing Advance Genomic Research Approaches For Improved Understanding Of Magnaporthe Species Complex Causing Blast Disease In Finger Millet	Dr. Sujay V, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	1920000
328	Life Sciences	Influence Of Socio-Economic Status In The Relationship Between Central Obesity And Cognitive Development Of School Children Of Kolkata, India And The Changes In Serum Leptin And Insulin Resistance In Different Grades Of Central Obesity	Dr. Satabdi Ghosh, Indian Statistical Institute Kolkata, Kolkata, West Bengal, 700108	1920000
329	Life Sciences	Extensive Analysis Of Interferons (IFNs) Induced GTPases P-65 Guanylate Binding Proteins Involved In Host Cell Autonomous Immunity	Dr. Chandradev Pati Tripathi, Central University of Punjab, Bathinda, Punjab, 151001	1920000

330	Life Sciences	Microbial Diversity And Their Dynamics In Biofloc Based Shrimp Aquaculture	Dr. Velmurugan Karthikeyan, Central Institute of Brackishwater Aquaculture, Chennai, Tamil Nadu, 600028	1920000
331	Life Sciences	Understanding The Epigenetic Regulation Of Genome Stability During Embryo Development In Chickpea	Dr. Rajkumar Mohan Singh, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
332	Life Sciences	T Cell Immunophenotyping In Patients With Active Tuberculosis Against The Peptides Of Novel Rv0679c And RV0180c Antigens	Dr. Lavarti Rupa, Bhagwan Mahavir Medical Research Centre, Hyderabad, Telangana, 500004	1920000
333	Life Sciences	Development Of Genome-Wide SNP Array For Accelerating Genetic Studies And Molecular Breeding In Pearl Millet (Pennisetum Glaucum L.).	Dr. Rambaran Singh, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	1920000
334	Life Sciences	To Elucidate The Role Of Redox Signalling In Jasmonic Acid Mediated Plant Immune Response In Solanum Lycopersicum	Dr. Priya Vijay Ayyar, Savitribai Phule Pune University, Pune, Maharashtra, 411007	1920000
335	Life Sciences	Identification And Characterization Of Plant Defense Response Genes And Pathways Induced By Cell-Cell Signaling Molecule DSF	Dr. K B Durga Bhavani, Center For DNA Fingerprinting & Diagnostics, Hyderabad, Telangana, 500001	1920000
336	Life Sciences	Innate Response Of Megakaryocytes During Dengue Virus Infection And Its Correlation With Platelet Production	Dr. Ravi Prakash Arya, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
337	Life Sciences	ROS Mediated Autophagy In Dictyostelium Discoideum And Its Regulation During Development	Dr. Ibanylla Kynjaihynewta Hadem, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
338	Life Sciences	Mapping Of Gene(S) For Stem Reserve Mobilization Efficiency In Wheat Stay Green Lines	Dr. Suneel Kumar, National Bureau of Plant Genetic Resources, New Delhi, Delhi, 110012	1920000
339	Life Sciences	Structural And Functional Characterization Of Group B Streptococcus Bacteriophage Endolysin Ply GBS	Dr. Shikha Thakur, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	1920000
340	Life Sciences	Diversity And Conservation Of Rubiaceae Of Andaman And Nicobar Islands	Dr. Mudavath Chennakesavulu, Botanical Survey of India, Andaman And Nicobar Regional Centre, Port Blair, Andaman And Nicobar Islands, 744102	1920000
341	Life Sciences	Identification Of Novel Genes/Genomic Regions For Nitrogen Use Efficiency (NUE) In Pearl Millet	Dr. Madhu Pusuluri, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	1920000

342	Life Sciences	Comparative Transcriptomic Profiling Of Three Varieties Of Gerbera Jamesonii Bolus In Response To Western Flower Thrip Infestation- RNA Seq	Dr. Sai Krishna Talla, Telangana University, Nizamabad, Telangana, 503322	1920000
343	Life Sciences	Investigating The Role Of Trans Fatty Acids On Neuronal Ion Channels Associated With Ischemic Stroke	Dr. Dhriti Majumdar, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
344	Life Sciences	X-Chromosome Genetic Diversity And Selection Signatures For Cattle Improvement	Dr. Kusum, National Bureau of Animal Genetics Resources, Karnal, Haryana, 132001	1920000
345	Life Sciences	Analysis Of Vitamin D Receptor Gene Polymorphism In Visceral Leishmaniasis (VL) And Post Kala-Azar Dermal Leishmaniasis (PKDL) Patients Among VL Population Of Bihar	Dr. Mehar Darukhshan Kalim, Rajendra Memorial Research Institute of Medical Science, Patna, Bihar, 800007	1920000
346	Life Sciences	Identification And Delineation Of Function Of Mycobacterial/Host Proteins That Interact With HDAC1 In Macrophages Infected With Mycobacterium Tuberculosis	Dr. Aravind Madhavan, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	1920000
347	Life Sciences	Fermentative Production, Purification And Characterization Of Thermostable, Raw Starch Liquefying A-Amylases From Indian Hot Springs And Its Applications In Biotechnology	Dr. Isha Kohli, Amity University Noida, Noida, Uttar Pradesh, 201303	1920000
348	Life Sciences	Mapping Cellular Metabolism Of Agricultural And Industrial Relevant Xanthomonas Spp	Dr. Tanmoy Samanta, Indian Institute of Technology Mandi, Mandi, Himachal Pradesh, 175005	1920000
349	Life Sciences	To Study The Role Of PGC1 α And NLRP3 In Lafora Disease	Dr. Suman Mishra, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1920000
350	Life Sciences	Virus-Induced Gene Silencing-Based Investigation Of The Effects Of Drought Stress On Tomato Plant Resistance To The Wilt Pathogen, Ralstonia Solanacearum	Dr. Bendangchuchang Longchar, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
351	Life Sciences	Dendritic Spines - Spatiotemporal Stability Mechanism That Determines Spine Morphology And Distribution	Dr. Vinu Varghese Pulikkottil, National Centre for Biological Sciences, Bangalore, Karnataka, 560065	1920000
352	Life Sciences	Antitumor and Antimicrobial Properties of Polysaccharide-Silver Nanoparticles For Biomedical Applications	Dr. Syama Hp, Regional Cancer Centre, Thiruvananthapuram, Kerala, 695011	1920000

353	Life Sciences	RNA-Seq Analysis Of Red Ripe And Mature Green Fruit Tissues In The Wild Type And Nps1mutant Of Tomato	Dr. Amita Yadav, University of Hyderabad, Hyderabad, Telangana, 500046	1920000
354	Life Sciences	Discovery Of Novel Potential Inhibitors For Targeting Polycomb Repressive Complex 2 (PRC2) Dependent Cancer	Dr. Danishuddin, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
355	Life Sciences	Development Of Silk Fibroin-Based Antimicrobial Electrospun Matrix As Biomaterial For Burns Wound Healing	Dr. Aparna Yerra, Sri Padmawati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh, 517502	1920000
356	Life Sciences	Developing A Fast And Easy, Standard Pipeline To Analyse WES And WGS Data	Dr. Amrita Bhattacharjee, Center For Dna Fingerprinting & Diagnostics, Hyderabad, Telangana, 500001	1920000
357	Life Sciences	To Study Mitochondrial Unfolded Protein Response And Its Crosstalk With Mitophagy In Cell Culture Model Of Huntington's Disease	Dr. Priyanka Majumder, Shiv Nadar University, Gautambudh Nagar, Uttar Pradesh, 203207	1920000
358	Life Sciences	Organ Based Classical Taxonomy And Molecular Studies On Heterosporous Ligulate Lycopodiopsida	Dr. Sarvesh Kumar Singh, Banaras Hindu University, Varanasi, Uttar Pradesh, 221005	1920000
359	Life Sciences	Expression Of Human Erythropoietin Protein (HEPO) In Wild Zebra Fish (From Southern Western Ghats, India) By Novel Transgenic Method	Dr. Nandagopal Subramaniam, V O Chidambaram College, Coimbatore, Tamil Nadu, 628008	1920000
360	Life Sciences	Revision And Molecular Phylogenetics Of Indian Phyllanthus (Sensu Lato)	Dr. Rajakullayi Swamy Kusom, Indian Institute Of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
361	Life Sciences	Molecular Changes In G-Protein Coupled Receptors Upon Phosphorylation	Dr. Nidhi Jatana Batra, Institute of Genomics and Integrative Biology, Delhi, Delhi, 110007	1920000
362	Life Sciences	Molecular Characterization Of Antimicrobial Resistant Bacteria From Ornamental Fish	Dr. Preena P G, National Bureau of Fish Genetic Resources, Lucknow, Uttar Pradesh, 226012	1920000
363	Life Sciences	Improving BCG Vaccine By Expressing Memory Enhancing Cytokines IL-7 And IL-15 To Elicit Long Lasting Immunity And Protection Against Mycobacterium Tuberculosis	Dr. Gurpreet Kaur, Indian Institute of Technology Ropar, Ropar, Punjab, 140001	1920000
364	Life Sciences	Impact Of Toxic Organic Micro Pollutants (TOMPs) And Micro Plastic Pollutants (MPs) On The Biodiversity And Reproductive Dynamics Of Ecologically Sensitive Organisms In The Coastal Waters Of Chennai.	Dr. Vasanthi Rajkumar, Alagappa University, Karaikudi, Tamil Nadu, 630003	1920000

365	Life Sciences	Heterogeneous Expression Of Chi And Cry Gene In E.Coli: Development Of Microbial Biopesticide Against Vector Carrying Mosquitoes.	Dr. Chandrasekaran Rajamanickam, Mizoram University, Aizwal, Mizoram, 796004	1920000
366	Life Sciences	Elucidating Microbial Cell And Metal Surface Interaction And Inhibiting Biofilm Formation For Control Of Microbiologically Influenced Corrosion In Petroleum Industry	Dr. Parthipan P, Pondicherry University, Puducherry, Puducherry, 605014	1920000
367	Life Sciences	Molecular Mechanisms Underlying SRF-Dependent Astrocyte Differentiation And Glioma Formation	Dr. Surya Chandra Rao, Indian Institute Of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
368	Life Sciences	Genetic Analysis Of UPF3 In The Functional Involvement Of DRN (Degradation Of MRNA In The Nucleus) In Saccharomyces Cerevisiae	Dr. Puspita Dasroy, University of Kalyani, Kalyani, West Bengal, 741235	1920000
369	Life Sciences	Enzyme Inhibitors from Marine Algae Linked To Diabetes And Its Complications	Dr. Ragupathirajakannan Rengasamy, Alagappa University, Karaikudi, Tamil Nadu, 630003	1920000
370	Life Sciences	Assessment of Population Genetics (AFLP & Microsatellite Markers) Of Seagrasses (Cymodoceaceae Family) In India	Dr. Elangovan Dilipan, Periyar Univeristy, Salem, Tamil Nadu,	1920000
371	Life Sciences	Exploring The Immunocellular Crosstalk In Metaflammation	Dr. Beera Sankar Anand, Indian Institute of Chemical Biology, Kolkata, West Bengal, 700032	1920000
372	Life Sciences	Multifunctional Selective Photothermal Agent For Efficient Tumor Ablation: A Novel Strategy For Advancing Next Generation Cancer Nanomedicine	Dr. Vivek Raju, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	1920000
373	Life Sciences	A Study On The Mechanism Of Pannexin Mediated Ischemic Cell Death	Dr. Iyer Gomathy Narayanan, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
374	Life Sciences	Isolation And Characterization Of Endophytic Fungi From Plants Having Insecticidal Properties Using Biotechnology Novels	Dr. Lija Escaline, Bharathidasan University, Tiruchirappalli, Tamil Nadu, 620024	1920000
375	Life Sciences	Exploring The Role Of Calmodulin-Binding Transcription Activators (CAMTA) In Cotton Fiber Development	Dr. Ajay Kumar, National Botanical Research Institute, Lucknow, Uttar Pradesh, 226001	1920000
376	Life Sciences	Selective Inhibition Of Farnesol Mediated Quorum Sensing In Candida Albicans Associated With Neonatal Systemic Infections	Dr. Gurmeet Kaur, Panjab University, Chandigarh, Chandigarh, 160014	1920000

377	Life Sciences	“Exploration Of Novel Antifungal Mycomolecules From Higher Basidiomycetes Fungi Against Collar Rot And Root Rot Diseases Of Groundnut.”	Dr. Senthilmurugan Selvaraj, Annamalai University, Annamalainagar, Tamil Nadu, 608502	1920000
378	Life Sciences	Investigation On The Roles Of Nitric Oxide Synthase 2 During The Mycobacterium Indicus Pranii Mediated Macrophage Activation And Responses	Dr. Vijayamahantesh Bajegoudar, Indian Institute of Science,Bangalore, Bangalore, Karnataka, 560012	1920000
379	Life Sciences	Development Of DNA Aptamers Inhibiting Fumarate Reductase As Drug Candidates Against Leishmaniasis.	Dr. Charu Gupta, Jamia Hamdard, New Delhi, Delhi, 110062	1920000
380	Life Sciences	Role Of The N-Terminal Unique Domain Of C-Src Protein In Regulating Cellular Functions	Dr. Gursharan Kaur, Institute of Microbial Technology, Chandigarh, Chandigarh, 160036	1920000
381	Life Sciences	Targeting Viral Suppressors Of RNA Silencing And RISC Cleavage Hotspots In Conserved Functional Domains For Artificial MiRNA Mediated Virus Resistance In Black Pepper (Piper Nigrum L.)	Dr. Hareesh P S, University of Kerala, Thiruvananthapuram, Kerala, 695034	1920000
382	Life Sciences	Engineering Folate Fortification In Tomato Through CRISPR-Cas9 Targeted Editing Of Gamma-Glutamyl Hydrolase Gene	Dr. Nidhi Thakur, University of Hyderabad, Hyderabad, Telangana, 500046	1920000
383	Life Sciences		Dr. Varun Tyagi, Defence Research Laboratory, Tezpur, Assam, 784001	1920000
384	Life Sciences	Structural And Molecular Characterization Of Clinically Relevant Metallo-B-Lactamases (MBLs)	Dr. Nagarjuna Daram, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	1920000
385	Life Sciences	Genomic Dissection Of Yield Contributing Traits In Rice Through Genome-Wide Association Mapping Using 3K Panel	Dr. Abhilash Kumar Vipparla, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	1920000
386	Life Sciences	Biophysical And Structural Characterization of White Spot Syndrome Virus E3-Ubiquitin Ligases WSSV030 And WSSV462, Having Underlying Roles In Viral Pathogenesis	Dr. Aritreyee Datta, Institute of Life Sciences, Bhubaneswar, Orissa, 750023	1920000
387	Life Sciences	Elucidating The Association Of ADAMTS13 Polymorphisms With Prothrombotic Complications In Thrombotic Thrombocytopenic Purpura (TTP)	Dr. Teena Bhakuni, Regional Centre for Biotechnology, Faridabad, Haryana, 121004	1920000
388	Life Sciences	Heat Stress Responsive Transcriptome Analysis And Gene Regulation Study In Groundnut	Dr. Bhubaneswar Pradhan, Indian Institute of Agricultural Biotechnology, Ranchi, Jharkhand,	1920000

389	Life Sciences	Determination Of Early Vascular Markers In Patients Presenting With Cardiac Vasoplegia Syndrome Undergoing Cardiopulmonary Bypass Surgery	Dr. Uma Rani, Apollo Hospital Educational and Research Foundation, Chennai, Tamil Nadu, 600006	1920000
390	Life Sciences	Neuropeptide CGRP Modulates Histone Demethylase JMJD3 Leading To Pro-Survival Pathways In Aged Human Dermal Fibroblasts	Dr. Febina Ravindran, Institute for Stem Cell Biology & Regenerative Medicine, Bangalore, Karnataka, 560065	1920000
391	Life Sciences	Exploring The Neurological And Metabolic Functions Of Neuronal Calcium Sensors: Role Of Neuronal Calcium Sensor-1 And Secretagogen	Dr. Venu Sankeshi, Centre for Cellular and Molecular Biology, Hyderabad, Telangana, 500007	1920000
392	Life Sciences	Paper Based Microfluidics Biosensors Platform Using POC-Biomed-Device For Quick Disease Detection	Dr. Sharmili Roy, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1920000
393	Life Sciences	Structural And Inhibition Studies Of Antibiotic Resistance Determinant And Redox-Sensing Proteins Of Mycobacterium Tuberculosis –WhiBs (Transcription Regulators)	Dr. Preeti Gupta, Jamia Millia Islamia, New Delhi, Delhi, 110025	1920000
394	Life Sciences	Identification And Characterization Of High Temperature Induced MiRNAs And Proteome In Rice Root.	Dr. Archita Singh, National Research Centre on Plant Biotechnology, New Delhi, Delhi, 110012	1920000
395	Life Sciences	Reduction Phytate Content And Gain Of Aroma Quality In Rice Seed Through CRISPR/Cas9 Mediated Manipulation Of OsIPK1 And OsFADH2	Dr. V Mohan Murali Achary, International Centre For Genetic Engineering And Biotechnology (ICGEB), New Delhi, Delhi, 110067	1920000
396	Life Sciences	Mechanism Of TRNA Pool Modulation By HIV	Dr. Hassan Mubarak Ishqi, National Institute of Immunology, New Delhi, Delhi, 110067	1920000
397	Life Sciences	Determining Adaptability Of Mungbean [Vigna Radiata (L.) R. Wilczek] Varieties For Drought Environments Using Traits Associated With Plant Architecture, Water Uptake, Phenology And Yield	Dr. Krithika Anbazhagan, International Crops Research Institute for The Semi Arid Tropics, Patancheru, Andhra Pradesh, 502324	1920000
398	Life Sciences	Role Of Mitochondrial Genes In The Development Of Type 2 Diabetes In An Endogamous Population Of Jammu And Kashmir.	Dr. Ankit Mahajan, Shri Mata Vaishno Devi University, Katra, Jammu And Kashmir, 182121	1920000
399	Life Sciences	Assessment Of Claudin-7 As A Potential Prognostic Marker In Oral Cancer	Dr. Asha Mishra, Jamia Millia Islamia, New Delhi, Delhi, 110025	1920000
400	Life Sciences	Assessment The Antidiabetic Potential Of Glycosaminoglycans From Cephalopods	Dr. Meivelu Moovendhan, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000

401	Life Sciences	Elucidation Of Involvement Of Nrf2-NFκB Signaling Pathway And Formation Of Neurofibrillary Tangles From Aβ1-42 Induced Neuronal Damage In Alzheimer's Disease: Anti-Neurodegenerative Implications Of Dimethyl Fumarate	Dr. Mithun Singh Rajput, Devi Ahilya Vishwavidyalaya, Indore, Madhya Pradesh, 452001	1920000
402	Life Sciences	Protection Against Neurodegenerative Diseases Through Secreted Trophic Factors Of Human Umbilical Cord Derived Stromal Cells.	Dr. Durai Murugan Muniswami, Vellore Institute of Technology, Vellore, Tamil Nadu, 632014	1920000
403	Life Sciences	Potential Dynamic Action Of Plant Derived Extracts Against The Dengue Vector Aedes Aegypti Liston (Diptera: Culicidae) And Their Non-Target Response Against The Beneficial Aquatic Organisms	Dr. Thanigaivel Annamalai, Sri Paramakalyani College, Tirunelveli, Tamil Nadu, 627412	1960000
404	Life Sciences	A Comprehensive MicroRNA And Phosphoproteome Analysis Of Rice In Response To Neck Blast Disease	Dr. Mahesh Hb, The Institute of Trans-Disciplinary Health Sciences and Technology, Bangalore, Karnataka, 560064	1920000
405	Life Sciences	Immunity Of Colon Cancer Stem-Cells From UPR-Driven Apoptosis: Mechanistic Insight To Improve Conventional Chemotherapy.	Dr. Arif Bashir, Indian Institute of Integrative Medicine Jammu, Jammu, Jammu And Kashmir, 180001	1440000
406	Life Sciences	"Hand-Held Combo Card For Point-Of-Site Detection Of Food And Water Borne Pathogens In Real Samples"	Dr. Ruchi Mutreja, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	1920000
407	Life Sciences	Quantitative Proteomics Analysis Of Spatio-Temporal Expression Of Proteins In Superior And Inferior Spikelets Of Rice Panicle Showing Differential Grain Filling	Dr. Trupti Mohapatra, Institute of Life Sciences, Bhubaneshwar, Orissa, 750023	1920000
408	Life Sciences	Designing Of Micronutrient Doped Nutrient Nanocarrier For The Enhancement Of In Vitro Withanolides Production In Medicinally Important Withania Spp.	Dr. Saheli Pradhan, Central Institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh, 226015	1920000
409	Life Sciences	Dynamics Of Heat Induced DNA Methylation And Methylated Associated Genes In Chickpea Using Epigenetic Approach	Dr. Sailaja Bhogireddy, International Crops Research Institute for The Semi-Arid Tropics, Patancheru, Andhra Pradesh, 502324	1920000
410	Life Sciences	Profiling Placental Immune Cell Signatures To Compare The Physiological Role Of T Cell Immune Response In Term And Pre-Term Births	Dr. Reelina Basu, Center For Dna Fingerprinting & Diagnostics, Hyderabad, Telangana, 500001	1920000

411	Life Sciences	Decoding The Role Of Proto-Oncogene Ecotropic Viral Integration Site I (EVI1) In Chronic Myeloid Leukemia-Blast Crisis (CML-BC).	Dr. K Vinothkumar, Institute of Life Sciences, Bhubaneswar, Orissa, 750023	1920000
412	Life Sciences	Enhancement Of Anthocyanin Production In Suitable In Vitro Culture System (Cell / Root) Of Ipomoea Batatas (L.) Lam.	Dr. Anjusha S, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Thiruvananthapuram, Kerala, 695562	1920000
413	Life Sciences	Effect Of Co-Administration Of Green Tea Polyphenols With Asparagus Racemosus-Withania Somnifera Phytosomes: Neuro-Protective Outcomes And Modalities In The Therapy Of Ischemia Induced Neuro-Degeneration.	Dr. Hafsa Ahmad, National Botanical Research Institute, Lucknow, Uttar Pradesh, 226001	1920000
414	Life Sciences	Placental Transcription Factors In Preterm Birth	Dr. Akshaya Pramod Meher, Dr Vasant Rao Pawar Medical College, Nashik, Maharashtra, 422207	1920000
415	Life Sciences	Response Of Copepods To Interactive Effect Of Crude Oil Pollution And Warming	Dr. Lalita Vithal Baragi, Birla Institute of Technology and Science Pilani-Goa, Zuarinagar, Goa, 403726	1920000
416	Life Sciences	Development Of Product By Micro Encapsulation Of Colourants From Fruits And Vegetables	Dr. Ashwini Nagendrappa Bellary, University of Agricultural Sciences Bangalore, Bangalore, Karnataka, 560065	1920000
417	Life Sciences	In-Vitro Gastrointestinal Bioaccessibility Of Nutraceuticals In Potato And Processing Techniques For Its Enhancement	Dr. Nitasha Thakur, Central Potato Research Institute, Shimla, Himachal Pradesh, 171001	1920000
418	Life Sciences	Optimization Of Effective Elicitor And Extraction Technique For Enhanced Production Of Shikimic Acid In Family Clusiaceae From Western Ghats	Dr. Parthraj Ravindra Kshirsagar, Amity University Mumbai, Mumbai, Maharashtra, 410206	1920000
419	Life Sciences	Development Of Curcumin Based Novel Anti-Epileptic Agents	Dr. Rajesh Yadav, Jaypee Institute of Information Technology, Noida, Uttar Pradesh, 201307	1920000
420	Life Sciences	Understanding The Pathway Of Human Mitochondrial VDAC Channel Biogenesis And Assembly In Lipid Membranes	Dr. Rajesh Kumar, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1920000
421	Life Sciences	Exploration Of Anti-HSV Potential Nucleoside And Non-Nucleoside Analogues, Their Mechanism Of Action And Control Of Efficacy By Structure Regulation	Dr. Chiranjit Patra, National Institute of Cholera and Enteric Diseases, Kolkata, West Bengal, 700009	1920000

422	Life Sciences	Taxonomic Revision And Molecular Phylogeny Of The Family Piperaceae In Peninsular India	Dr. Jose Mathew, University of Kerala, Thiruvananthapuram, Kerala, 695034	1920000
423	Life Sciences	Exploring The Potential Of Biofilm Forming PGPR With Cuticle Degrading Entomopathogenic Fungus For The Management Of Root Rot (Rhizoctonia Sp.) And American Boll Worm (Helicoverpa Armigera) In Cotton	Dr. Ramyabharathi Sampath, Central Institute for Cotton Research Coimbatore, Coimbatore, Tamil Nadu, 641003	1920000
424	Life Sciences	Novel Self-Nanoemulsifying Drug Delivery System (Snedds) Of Anti Hiv Agent as Targetted Delivery: Improving the Safety And Efficacy Of Antiretroviral Therapy.	Dr. Ponnaganti Hyma, Sri Balaji College of Pharmacy Telengana, Karimnagar, Telangana, 505415	1920000
425	Life Sciences	Landscape Genetics And Ecology Of Major Large Carnivores In North-East India	Dr. Mriganka Shekhar Sarkar, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	1920000
426	Life Sciences	Elucidating The Functional Role Of MurG, An Essential Peptidoglycan Biosynthetic Enzyme, In Regulating Growth And Cell Division Of Mycobacteria	Dr. Divya Arora, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, Delhi, 110067	1920000
427	Life Sciences	Genetic Monitoring Of Anthropogenic Impact On Wildlife: A Genetic Study On Asiatic Black Bear In Uttarakhand, India.	Dr. Sujeet Kumar Singh, Zoological Survey of India, Kolkata, West Bengal, 700053	1920000
428	Life Sciences	Exploring The Structural And Mechanistic Properties Of NAD ⁺ -Dependent DNA Ligase From Helicobacter Pylori	Dr. Harish Shukla, North Eastern Hill University, Shillong, Meghalaya, 793022	1920000
429	Life Sciences	Mining Transcriptome Of Medicinally Important Plantago Species For Terpenoid Biosynthetic Pathway Genes	Dr. Suruchi Gupta, Indian Institute of Integrative Medicine Jammu, Jammu, Jammu And Kashmir, 180001	1920000
430	Life Sciences	Enhanced Prediction Of Human And Leptospiral Protein-Protein Interactions And Laboratory Validation	Dr. Arul Diana Christie, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
431	Life Sciences	Role Of RipA In Inflammation And Antimicrobial Defence Through Autophagy	Dr. Mohd Shariq, National Institute of Pathology, New Delhi, Delhi, 110029	1920000
432	Life Sciences	Plant Essential Oil Based Encapsulated Nanoemulsion For Mosquito Vector Control	Dr. Vijayalakshmi Ghosh, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, 492010	1920000
433	Life Sciences	Modelling Rehabilitation Following Neuronal Injury In Caenorhabditis Elegans	Dr. Sandeep Kumar, National Brain Research Centre, Gurgaon, Haryana, 122051	1920000

434	Life Sciences	Functional Studies On The Spatial Distribution Of FGs And A Disease Mutation In The Central Transport Channel Of NPC.	Dr. Parshuram Jibhau Sonawane, National Centre for Cell Science, Pune, Maharashtra, 411007	1920000
435	Life Sciences	Microzooplankton Functional Response To The Climate Change Warming In The Eastern Arabian Sea Using Experimental Approach	Dr. Sai Elangovan S, National Institute of Oceanography, Goa, Dona Paula, Goa, 403004	1920000
436	Life Sciences	Modulating Carnosine Level By Small Molecule Inhibitors Of Human Carnosinase: A Potential Therapeutic Target	Dr. Vaibhav Kumar Pandya, National Chemical Laboratory, Pune, Maharashtra, 411008	1920000
437	Life Sciences	Role Of Extracellular Lipase Encoding TALipC In The Virulence Of Trichosporon Asahii	Dr. Usha Yadav, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	1920000
438	Life Sciences	Isolation And Characterization Of Small Molecules From Ayurvedic Formulations To Stabilize Telomeric G-Quadruplexes For The Treatment Of Cancer.	Dr. Amjesh R, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	1920000
439	Life Sciences	Understanding The Evolutionary And Molecular Diversity Of Capripox Viruses In India	Dr. Neelima Hosamani, National Institute of Animal Biotechnology, Hyderabad, Telangana, 500049	1920000
440	Life Sciences	Enhanced Therapeutic Efficacy Of Plumbagin Loaded Liposomal Formulations For The Treatment Of Oral Cancer.	Dr. Vinoth Rajendran, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
441	Life Sciences	Structure And Sequence Guided Design Of Stabilized Immunogens Derived From Influenza Hemagglutinin	Dr. Kavyashree Manjunath, Institute for Stem Cell Biology & Regenerative Medicine, Bangalore, Karnataka, 560065	1920000
442	Life Sciences	Regulation Of The Fate of M.Tb Secretory Proteins In Host Cytosol.	Dr. Shashank Shivaji Kamble, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
443	Life Sciences	Concomitant Delivery Of Doxorubicin And Paclitaxel Through Polymeric Nanoparticles For The Enhancement Of Synergistic Effect In Cancer Therapy.	Dr. Manu Dalela, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	1920000
444	Life Sciences	Marine Natural Biopolymer As A Mediator To Control The Viral Replication Against Viral Induced Mice; A Source Of Octopus And Seaweeds	Dr. Palaniappan Seedevi, Periyar Univeristy, Salem, Tamil Nadu, 636011	1920000
445	Life Sciences	Multidimensional Role Of A Natural Triterpenoid Compound Ursolic Acid From Nyctanthes Arborescens Against Visceral Leishmaniasis	Dr. Prasanta Saini, Bose Institute, Kolkata, West Bengal, 700054	1920000

446	Life Sciences	Application Of Essential Oil Vapour Using Antimicrobial Food Packaging Systems For Postharvest Disease Control And Shelf Life Extension	Dr. Suradeep Basak, Pondicherry University, Puducherry, Puducherry, 605014	1920000
447	Life Sciences	Functional Analyses Of A Novel Pentameric Human Polymerase Delta Holoenzyme	Dr. Shweta Thakur, Institute of Life Sciences, Bhubaneshwar, Orissa, 750023	1920000
448	Life Sciences	Proteomic Profiling Of Microalgal Carotenogenesis Subjected To Physiological Stressors	Dr. Chetan Paliwal, International Centre for Genetic Engineering and Biotechnology (Icgeb), New Delhi, Delhi, 110067	1920000
449	Life Sciences	Discovering The Potential Source Of Ribosome Inactivating Proteins (RIPs) From The Plants Found In Himalayan Eco-System For Inhibition Of Potato Virus Y	Dr. Pooja Bhardwaj, Central Potato Research Institute, Shimla, Himachal Pradesh, 171001	1920000
450	Life Sciences	Resolving Taxonomic Uncertainty Among Indian Gourami (Perciformes: Osphronemidae) Using Molecular And Morphological Approach	Dr. Arvind Kumar Dwivedi, Wildlife Institute of India, Dehradun, Uttarakhand, 248007	1920000
451	Life Sciences	Study Of Recent Advances Of Special Functions With Computer Algebra	Dr. Lakshmikanthan Panneerselvam, National Institute of Mental Health And Neuro Sciences, Bangalore, Karnataka, 560029	1920000
452	Life Sciences	Phenotypic And Genetic Variations Of Free Floating Invasive Populations Of Duckweed (Lemna Minor) In Kashmir Himalaya: A Phylogeographic Comparison	Dr. Gowher Ahmad Wani, Sher E Kashmir University of Agricultural Sciences & Technology Kashmir, Srinagar, Jammu And Kashmir,	1920000
453	Life Sciences	Synthesis And Study Of Some Novel Bis-Nitrogen Azole Analogs As Antimicrobials	Dr. Geeta Yadav, National Institute of Pharmaceutical Education and Research Mohali, Mohali, Punjab, 160062	1920000
454	Life Sciences	Understanding The Role Of Vacuolar-ATPase In Regulation Of Lipid Droplet Dynamics In Chlamydomonas Reinhardtii	Dr. Srinivasan R, S R M University Kattankulathur, Kattankulathur, Tamil Nadu, 603203	1920000
455	Life Sciences	Molecular Characterization Of Piriformospora Indica Induced Alteration In Growth, Flowering Time, Phytophthora Incidence And Secondary Metabolite Production In Black Pepper (Piper Nigrum L.).	Dr. Lekshmi R S, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Thiruvananthapuram, Kerala, 695014	1920000
456	Life Sciences	Understanding The Adaptive History Of South Asian Human Populations By Detecting Genomic Footprints Of Polygenic Adaptation And Soft Sweeps	Dr. Diptarup Nandi, National Institute of Biomedical Genomics, Kalyani, West Bengal, 741251	1920000

457	Life Sciences	Neonatal Hypothyroidism-Induced Epigenetic Plasticity In The Brain Of Adult Rat: Implications Of DNA Methylation Machinery And Impact Of Curcumin.	Dr. Madhusmita Nayak, Utkal University, Bhubaneswar, Orissa, 751007	1920000
458	Life Sciences	Sustainable Improvement Of Grain Filling Trait In Inferior Spikelets Of Rice Through CRISPR-Cas9/Cpf1 Genome Editing System	Dr. Dhanawantari L Singha, North East Institute of Science & Technology, Jorhat, Assam, 785006	1920000
459	Life Sciences	Source-Sink Dynamics Of Phytohormones And Metabolites In Aerobic Rice Under A Combination Of Drought And Heat Stress At Reproductive Stage	Dr. Mariavera Jesus Dacosta, University of Agricultural Sciences Bangalore, Bangalore, Karnataka, 560065	1920000
460	Life Sciences	Effect Of Aluminium As A Stress On Photo-Morphogenesis, Root Patterning And Flowering Time Control In Arabidopsis	Dr. Bedabrata Saha, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	1920000
461	Life Sciences	Fine-Tuning The Expression Of Genes In Lactococcus Lactis To Improve The Production Of Biopolymer Hyaluronic Acid	Dr. Charumathi, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
462	Life Sciences	Sustainable Strategy To Improve Plant Biomass: A Transgenic Approach For Higher Crop Yield	Dr. Amrita Saxena, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
463	Life Sciences	Understanding The Mechanisms Of Novel Scaffolds Active Against Mycobacterium Tuberculosis	Dr. Padam Singh, Translational Health Science and Technology Institute, Faridabad, Haryana, 122016	1920000
464	Life Sciences	Regeneration In Hydra: Proteomic Analysis Of Lysosomal Hydrolases And Cathepsins	Dr. Lakshmi Surekha Krishnapati, University of Hyderabad, Hyderabad, Telangana, 500046	1920000
465	Life Sciences	Development Of An Electrochemical Aptasensor For The On-Site Detection Of Pesticide	Dr. Neeti Kalyani, Translational Health Science and Technology Institute, Faridabad, Haryana, 122016	1920000
466	Life Sciences	Evidence For IL-36 Involvement In Pathogenesis Of Synovitis In Juvenile Idiopathic Arthritis-Enthesitis Related Arthritis (JIA-ERA)	Dr. Sanjukta Majumdar, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh,	1920000
467	Life Sciences	Standardization And Elucidation Of Mode Of Action Of Food Based Bioactive Constituents In Preventing/ Managing Type 2 Diabetes	Dr. Aditya Rao, Central Food Technological Research Institute, Mysore, Karnataka, 570020	1920000
468	Life Sciences	A Structure Based Approach For Understanding The Role Of Hsp90 In Relation To Cdh1/Fzr, An Activating Subunit Of Anaphase Promoting Complex/Cyclosome With Drug Targets.	Dr. Sanghati R C, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi, 110029	1920000

469	Life Sciences	SiRNA Based Strategy To Develop Resistant In Papaya Against Papaya Ring Spot Virus (PRSV)	Dr. Aradhana Lucky Hans, Baba Saheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh, 226025	1920000
470	Life Sciences	Resource Use And Resource Conservation In Indian Protected Area For Sustainable Socio-Ecological Development: A Case Study Of Manas National Park	Dr. Himangshu Dutta, Institute for Social and Economic Changes Bangalore, Bangalore, Karnataka, 560072	1920000
471	Life Sciences	Understanding The Ecological Significance Of Microbial Communities During Primary Succession Process In The Arctic Glacier Retreated Sites	Dr. Venkatachalam Siddharthan, National Centre for Antarctic And Ocean Research, Vasco-Da-Gama, Goa, 403004	1920000
472	Life Sciences	Deciphering The Role Of ACC Deaminase Producing Bacteria In Mediating Stress Tolerance In Cajanus Cajan Against Fusarium Wilt	Dr. Annapurna Bhattacharjee, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
473	Life Sciences	Investigation On The Link Between MicroRNAs, HOTAIR, And E7 In Cervical Cancer Pathogenesis For The Identification Of Potential Biomarkers And Therapeutic Targets For Cervical Cancer	Dr. Vinoth Kumar, National Institute of Biomedical Genomics, Kalyani, West Bengal, 741251	1920000
474	Life Sciences	Production Of Poly-3-Hydroxyalkanoate (PHA) From High Cell Density Fermentations Using Saline Industrial Waste As A Carbon Feedstock And Enhanced Recovery With Non-Halogenated Solvents	Dr. Vinay Kumar, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	1920000
475	Life Sciences	Structural Investigations Of Extracellular Polymeric Substances From Antarctic Microbes With Special Reference To Exopolysaccharides	Dr. Shipra Nagar, National Centre for Antarctic And Ocean Research, Vasco-Da-Gama, Goa, 403004	1920000
476	Life Sciences	A Comparative Study On The Effect Of F- On C3 And C4 Plants And The Modulation Of Essential Nutrients	Dr. Gayatri Singh, National Botanical Research Institute, Lucknow, Uttar Pradesh, 226001	1920000
477	Life Sciences	Understanding Bacterial Calcium Signalling Through B γ -Crystallins	Dr. Bal Krishnan Mishra, Indian Institute of Science Education and Research Berhampur, Ganjam, Orissa, 760010	1920000
478	Life Sciences	Exploring The Contribution Of Reactive Oxygen Species Towards Fluoroquinolone Mediated Lethality In Mycobacterium Tuberculosis	Dr. Samsher Singh, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
479	Life Sciences	Structural And Functional Studies Of Sortase Mediated Pili Of Probiotic Bacterium Lactococcus Lactis.	Dr. Vijay Kumar, Regional Centre for Biotechnology, Faridabad, Haryana, 121004	1920000

480	Life Sciences	Enhancement Of Microalgal Photoconversion Efficiency And Biomass Productivity With Multi-Nutritional Valued Products By Strategic Algal-Bacterial Consortium Development	Dr. Vijayan Durairaj, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram, Kerala, 695019	1920000
481	Life Sciences	Dissecting The Crucial Role And Mechanism Of A Purple Acid Phosphatase - PAP3C In Phosphate Metabolism In Transgenic Rice Plants	Dr. Dharendra Fartyal, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
482	Life Sciences	Investigating The Role Of Ecotropic Viral Integration Site 1 (EVI1) In Tumor Development, Metastasis And Chemoresistance In Colon Cancer Models	Dr. Pradeepa, Institute of Life Sciences, Bhubaneswar, Orissa, 750023	1920000
483	Life Sciences	Computer-Aided Designing Of Beta-Lactamase Inhibitors And Multifunctional Peptides To Combat Drug Resistance	Dr. Lubna Maryam, Indraprastha Institute of Information Technology Delhi, New Delhi, Delhi, 110020	1440000
484	Life Sciences	Role Of Wild Type P53 Aggregation And Its Contribution To Oncogenesis	Dr. Satyaprakash R Pandey, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1920000
485	Life Sciences	Cross Talk Between Frz Signal Transduction System, Nucleoid And MreB In Myxococcus Xanthus Motility	Dr. Jaya Sharma, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1920000
486	Life Sciences	Hormesis, An Adaptive Response Of Cancer Cells: Trace The Significance Of Conserved Signaling Pathway HSF-1 For Docetaxel Drug Resistance Via Caenorhabditis Elegans As An In Vivo Model	Dr. Shanmugam Govindan, Periyar Univeristy, Salem, Tamil Nadu, 636011	1920000
487	Life Sciences	Mechanistic Understanding Of Az2 Protein Regulatory Degradation In Human Cell Lines	Dr. Ganapathi Kandasamy, Centre for Cellular and Molecular Biology, Hyderabad, Telangana, 500007	1920000
488	Life Sciences	Understanding The Mechanism Of ClpB-C/Hsp100 Mediated Tolerance To Heat Stress In Plants.	Dr. Chhavi Agrawal, University of Delhi South Campus, New Delhi, Delhi, 110021	1920000
489	Life Sciences	To Study The Involvement And Transcript Alterations Of Cytoskeleton Intermediate Filaments Under Salt And Heat Stress In Rice	Dr. Pushpalatha Ganesh, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
490	Life Sciences	Proteomics approaches for identification of Calcium Binding Protein(s) in seeds of horse gram (Macrotyloma uniflorum) for their anti-lithiasis potential	Dr. Netrapal Sharma, Kumaun University, Nainital, Uttarakhand, 263002	1920000

491	Life Sciences	A chromogenic immunosensor for rapid detection of <i>Vibrio</i> spp. in aquaculture.	Dr. Madhuri Keshavrao Pawar, Agharkar Research Institute, Pune, Maharashtra, 411004	1920000
492	Life Sciences	Unraveling the role of LID in chromatin domain demarcation.	Dr. Zaffer Ullah Zargar, Kashmir University, Srinagar, Jammu And Kashmir, 190006	1920000
493	Life Sciences	mQTL-seq approach for identification of responsible genomic regions for spot blotch resistance in bread wheat and development of markers for molecular breeding	Dr. RAVI RANJAN SAXESENA, National Institute of Plant Genome Research, Delhi, Delhi, 110067	1920000
494	Life Sciences	Does it take two key regulatory genes ASYMMETRIC LEAVES1 and REVOLUTA to make a pitcher in the insectivorous plant <i>Nepenthes khasiana</i> ?	Dr. JEREMY DKHAR, Jawaharlal Nehru University, Delhi, Delhi, 110067	1920000
495	Life Sciences	Role of Gentianaceae compounds in preventing endothelial inflammation	Dr. MKN SaiVarsha, Indian Institute of Technology Chennai, Chennai, Tamil Nadu, 600036	1920000
496	Life Sciences	Chitosan based nano-encapsulation strategy for enhanced anti-infectivity potential of <i>Lactobacillus plantarum</i> derived bacteriocin (s) against enteroinvasive food-borne pathogens: process validation on human intestinal Caco-2 cell model.	Dr. Bharat Bhushan, National Institute of Food Technology, Entrepreneurship & Management (NIFTEM), Sonapat, Haryana, 131028	1920000
497	Life Sciences	Evolution of population divergence during rapid dietary shift in flour beetles - a stored flour pest	Dr. Rittik Deb, National Centre for Biological Sciences, Bangalore, Karnataka, 560065	1920000
498	Life Sciences	The role of non-symbiotic haemoglobin, nitrate nutrition to increase energy efficiency under hypoxia in rice and wheat	Dr. MALLESHAM BULLE, National Institute of Plant Genome Research, New Delhi, Delhi, 110067	1920000
499	Life Sciences	Comparative study of age polyethism and underlying hormonal regulation in the three major Asian honey bee species, <i>A. florea</i> , <i>A. dorsata</i> and <i>A. cerana</i>	Dr. Sruthi Unnikrishnan, National Centre for Biological Sciences, Bangalore, Karnataka, 560065	1920000
500	Life Sciences	Intra and inter-specific variation in multimodal signalling across an environmental gradient in the endemic dancing frogs (Genus: <i>Micrixalus</i>)	Dr. Anuradha Batabyal, Azim Premji University, Bangalore, Karnataka, 560100	1920000
501	Life Sciences	Metabolic routes influencing virulence in <i>Vibrio cholerae</i>	Dr. Prosenjit Pyne, National Institute of Cholera and Enteric Diseases, Kolkata, West Bengal, 700010	1920000
502	Life Sciences	Elucidating the role of OsTCP22 Transcription Factor in Rice Inflorescence Architecture, Development and Grain yield	Dr. Manjari Mishra, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, Delhi, 110067	1920000

503	Life Sciences	Translesional synthesis in bacteria: Mechanism, regulation and consequences of error-prone repair	Dr. Asha Mary Joseph, National Centre for Biological Sciences, Bangalore, Karnataka, 560065	1920000
504	Life Sciences	Elucidating the structural changes involved in switching messenger ribonucleoprotein particles from a translationally repressed state to an active state by a DEAD-BOX protein	Dr. Jyoti Gupta, Indian Institute of Science, Bangalore, Karnataka, 560012	1920000
505	Physical & Mathematical Sciences	Non-Gaussian Zero-Inflated Time Series With Application To Indian Disease Data	Dr. Rashmi Tiwari, Indian Institute of Technology Bombay, Mumbai, Maharashtra, 400076	1920000
506	Physical & Mathematical Sciences	Some Questions on Number Theory from Analytic and Representation Theoretic Point of View.	Dr. Debika Banerjee, Indian Institute of Science Education and Research Pune, Pune, Maharashtra, 411008	1920000
507	Physical & Mathematical Sciences	Conjugacy Classes Of Centralizers In Algebraic Groups	Dr. Sushil Bhunia, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	1920000
508	Physical & Mathematical Sciences	Non-Abelian Groups With Abelian Automorphism Groups	Dr. Rahul Dattatraya Kitture, Indian Institute of Science Education and Research Mohali, Chandigarh, Chandigarh, 140306	1920000
509	Physical & Mathematical Sciences	Effective Potential For Polyakov Loop In Real Time Formalism Of Finite Temperature Field Theory	Dr. Abhishek Atreya, Bose Institute, Kolkata, West Bengal, 700009	1920000
510	Physical & Mathematical Sciences	Experimental Study Of Nuclear Thermodynamics, Pairing Correlation, Nuclear Shape Transition And Development Work For Upcoming FRENA Facilities At SINP, Kolkata	Dr. Balaram Dey, Saha Institute of Nuclear Physics, Kolkata, West Bengal, 700064	1920000
511	Physical & Mathematical Sciences	Dark Matter Beyond The Thermal WIMP Paradigm: Possible Connection To Neutrino Mass And Leptogenesis	Dr. Anirban Biswas, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1920000
512	Physical & Mathematical Sciences	Energy Polydispersed Kob-Andersen Type Binary Lennard-Jones Mixtures.	Dr. Premkumar Leishangthem, National Institute of Technology Manipur, Imphal, Manipur, 795004	1920000
513	Physical & Mathematical Sciences	Local Smoothing Of Fourier Integral Operator With Applications To The Hyperbolic Equation And Maximal Operators.	Dr. Ramesh Manna, Tata Institute of Fundamental Research, Centre for Applicable Mathematics, Bangalore, Karnataka, 560065	1920000
514	Physical & Mathematical Sciences	BRST Quantization Of Gauge Theories In Curved Spacetime: Applications In Cosmology And Black Holes	Dr. Tapobroto Bhanja, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039	1920000

515	Physical & Mathematical Sciences	Dynamics And Thermodynamics Of Qubits In Spin Environments	Dr. Samyadeb Bhattacharya, S N Bose National Centre for Basic Sciences, Kolkata, West Bengal, 700098	1920000
516	Physical & Mathematical Sciences	Stability Improvement For High Performing Perovskite Solar Cells By Using Inorganic Hole And Electron Transport Layers	Dr. Sayantani Das, Jadavpur University, Kolkata, West Bengal, 700032	1920000
517	Physical & Mathematical Sciences	Exploring The Superconducting State Near The Quantum Criticality In Ce-Based Non-Centrosymmetric Heavy Fermion Systems	Dr. Mayukh Kumar Ray, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1920000
518	Physical & Mathematical Sciences	Magnetization Quenching And Heterogeneity In Heusler Intermetallic Alloys: The Case Study Of $Ni_2Mn_{1-x}Cu_xZ$ And $(Mn_{1-x}Ni_x)_2CuZ$ ($x=0-1$; $Z=Sn, Sb$) Alloys.	Dr. Chandragiri Venkatesh, Saha Institute of Nuclear Physics, Kolkata, West Bengal, 700064	1920000
519	Physical & Mathematical Sciences	Investigation Of Ultrafast Carrier Dynamics In 2D $Mo(W)S_2$ For Optoelectronic Device Applications	Dr. Aneesh J, Indian Institute of Science Education and Research Bhopal, Bhopal, Madhya Pradesh, 462023	1920000
520	Physical & Mathematical Sciences	Higgs Properties And Beyond The Standard Model	Dr. Najimuddin Khan, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
521	Physical & Mathematical Sciences	Tuneable Photonic Band Gap Induced By GHz Acoustic Phonon	Dr. Gaurav Sharma, Indian Institute of Technology Bhubaneswar, Bhubaneswar, Orissa, 751013	1920000
522	Physical & Mathematical Sciences	On Theoretical And Numerical Aspects Of The Renewal Equation In Population Dynamics	Dr. Bhargav Kumar Kakumani, Tata Institute of Fundamental Research, Centre for Applicable Mathematics, Bangalore, Karnataka, 560065	1920000
523	Physical & Mathematical Sciences	In-Medium Properties Of Strongly Interacting Systems	Dr. Kinkar Saha, University of Calcutta, Kolkata, West Bengal, 700073	1440000
524	Physical & Mathematical Sciences	Newly Discovered Heusler Based Skyrmion Compounds For Spintronic Applications	Dr. Jyoti Sharma, Tata Institute of Fundamental Research, Mumbai, Mumbai, Maharashtra, 400005	1920000
525	Physical & Mathematical Sciences	Biharmonic Submanifolds Of Pseudo-Riemannian Manifolds With Applications	Dr. Abhitosh Upadhyay, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
526	Physical & Mathematical Sciences	Effects Of Disorder And Magnetic Field On The Charge Ordered States In Cuprates	Dr. Peayush Kumar Choubey, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000

527	Physical & Mathematical Sciences	Ultrafast Magnetization Dynamics: Use Of 2D Layered Material As Non-Magnetic Underlayer In Ferromagnetic/Non-Magnetic Bilayer System	Dr. Sumona Sinha, S N Bose National Centre for Basic Sciences, Kolkata, West Bengal, 700098	1920000
528	Physical & Mathematical Sciences	Modeling Rarefied Gas Flows Via Higher-Order Extended Hydrodynamic Models	Dr. Lakshminarayanareddy M.H., Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
529	Physical & Mathematical Sciences	Organic Intercalated 2D Layered Transition Metal Sulfide Dichalcogenides (TMSDCs) Hybrid Nanostructures For Thermoelectric Applications	Dr. Sabarinathan Mani, National Physical Laboratory, New Delhi, Delhi, 110012	1920000
530	Physical & Mathematical Sciences	Geometry Of Quantum Homogeneous Spaces	Dr. Bipul Saurabh, Chennai Mathematical Institute, Chennai, Tamil Nadu, 603103	1920000
531	Physical & Mathematical Sciences	Investigation On The Unclonable Security Functions Generated From Plasmonic Nanostructures For Anti-Counterfeiting Applications	Dr. Garima Kedawat, National Physical Laboratory, New Delhi, Maharashtra, 110012	1920000
532	Physical & Mathematical Sciences	X-Ray Phase Sensitive Imaging And Tomography Of Bio-Materials And Soft Tissues	Dr. Anis Fatima, Bhabha Atomic Research Centre, Mumbai, Maharashtra, 400085	1920000
533	Physical & Mathematical Sciences	Classification Of Objects In Non-Commutative Algebraic Geometry	Dr. Rani Kumari, Harish Chandra Research Institute, Allahabad, Uttar Pradesh, 211019	1920000
534	Physical & Mathematical Sciences	Development Of Gallium Oxide Based Power Devices	Dr. Vibhor Kumar, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
535	Physical & Mathematical Sciences	Modeling of Longitudinal Data With Nonignorable Missingness And Zero-Inflation.	Dr. Prajmitra Bhuyan, Indian Institute of Engineering Science and Technology (IIST), Howrah, West Bengal, 711103	1920000
536	Physical & Mathematical Sciences	Spin Transport Through Helical Biomolecules And Nanostructures	Dr. Sourav Kundu, Bose Institute, Kolkata, West Bengal, 700009	1920000
537	Physical & Mathematical Sciences	Design And Development Of Inline Fiber Based Laser Micro Machined Micro Cavity And Their Utilization For Online Monitoring Of Strain And Refractive Index	Dr. Jitendra Narayan Dash, National Institute of Science Education and Research Bhubaneswar, Bhubaneswar, Orissa, 751005	1440000
538	Physical & Mathematical Sciences	Interacting Particles In A Periodically Moving External Potential	Dr. Shubhashis Rana, S N Bose National Centre for Basic Sciences, Kolkata, West Bengal, 700098	1920000
539	Physical & Mathematical Sciences	Effect of Plasma On Nanostructured Silicon For Photovoltaic Applications	Dr. Sucheta Juneja, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000

540	Physical & Mathematical Sciences	Unveil The Magnetic And Electrical Properties Of Multiferroic Rare Earth Vanadium Oxide (RVO ₃) Epitaxial Thin Films And Explore The Possible RVO ₃ Spintronic Devices	Dr. D Chandrasekhar Kakarla, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
541	Physical & Mathematical Sciences	Higher Order Nonclassical Properties Of Engineered Quantum States	Dr. Arpita Chatterjee, Jaypee Institute of Information Technology, Noida, Uttar Pradesh, 201307	1920000
542	Physical & Mathematical Sciences	Dynamics And Phase Diagram Of Dipolar Bose- Einstein Condensates With Higher-Order Interactions	Dr. Sabari Subramaniyan, Bharathidasan University, Tiruchirappalli, Tamil Nadu, 620024	1920000
543	Physical & Mathematical Sciences	Lagrangian Fluid Description of Some Nonlinear Collective Phenomena In Plasmas	Dr. Ashish Adak, Institute for Plasma Research, Gandhinagar, Gujarat, 382428	1920000
544	Physical & Mathematical Sciences	Investigation Of Effective Domain Engineering In La ³⁺ And Fe ³⁺ Modified Lead Zirconate Titanate For Sensor And Memory Applications	Dr. Nawnit Kumar, Indian Institute of Technology Patna, Patna, Bihar, 801103	1920000
545	Physical & Mathematical Sciences	When Binaries Keep Track Of A Recent Asymptotic Giant Branch(AGB) Nucleosynthesis: Elemental Abundances In Extrinsic Stars As A Slow Neutron-Capture-Process Thermometer	Dr. Drisya Karinkuzhi, Bangalore University, Bangalore, Karnataka, 560065	1920000
546	Physical & Mathematical Sciences	List Distinguishing Coloring Of Graphs And Its Variants	Dr. Sajith P, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
547	Physical & Mathematical Sciences	Development Of Innovative Cathode Materials And Flexible Lithium Ion Conducting Ionic Liquid Based Gel Polymer Electrolytes For Rechargeable Li-Batteries	Dr. Shalu, University of Allahabad, Allahabad, Uttar Pradesh, 211002	1440000
548	Physical & Mathematical Sciences	Investigation Of BMS Symmetries On Black Hole Event Horizons	Dr. Nirmalya Kajuri, Chennai Mathematical Institute, Chennai, Tamil Nadu, 603103	1920000
549	Physical & Mathematical Sciences	Exploring The Complex Patterns And Controlling Mechanism In Certain Coupled Neuronal Networks	Dr. Premalatha K, PSG College of Technology, Coimbatore, Tamil Nadu, 641004	1920000
550	Physical & Mathematical Sciences	Optical Spectroscopy To Study And Control The Non-Linear Optical Properties Of Core-Shell Nanostructures	Dr. Nihit Saigal, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
551	Physical & Mathematical Sciences	High Order Accurate Divergence-Free Schemes For Ideal MHD	Dr. Rakesh Kumar, Tata Institute of Fundamental Research, Centre for Applicable Mathematics, Bangalore, Karnataka,	1920000

552	Physical & Mathematical Sciences	Stabilized Finite Element Methods For A Keller-Segel-Navier-Stokes System	Dr. Asha Kisan Dond, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
553	Physical & Mathematical Sciences	Functional Metal Oxide Based 1D Nano-Heterostructures (Inorganic And Organic) For Solar Energy Harvesting And Electronic Applications	Dr. Ayan Sarkar, Indian Institute of Science Education and Research Kolkata, Nadia, West Bengal, 741246	1920000
554	Physical & Mathematical Sciences	Development Of Undoped And Alkali Halide Doped Superionic Conducting Mixed Former Glasses And Their Optical Properties For Energy Storage Applications	Dr. Chirantan Dey, Indian Association for The Cultivation of Science, Kolkata, West Bengal, 700032	1920000
555	Physical & Mathematical Sciences	Fabrication Of New Generation Core-Shell Quantum Dot For Solar Cells And Energy Storage Applications	Dr. Irshad Ahmed Mir, National Institute of Technology Srinagar, Srinagar, Jammu And Kashmir, 190006	1440000
556	Physical & Mathematical Sciences	Piezoelectric Nanogenerator Based On MoS ₂ On Graphene And Its Derivatives	Dr. Jyoti Shakya, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
557	Physical & Mathematical Sciences	TMDC Transistors Interfaced with Graphene Electrodes on Flexible Substrates	Dr. Shijeesh Methattel Raman, Indian Institute of Technology Madras, Chennai, Tamil Nadu, 600036	1920000
558	Physical & Mathematical Sciences	Optimisation Of Polymer-2D Material Composite Properties For Barrier, Thermal Conductivity And UV Degradation Applications	Dr. Gayathri H N, Indian Institute of Science, Bangalore, Bangalore, Karnataka, 560012	1920000
559	Physical & Mathematical Sciences		Dr. Somveer Singh, Indian Institute of Technology Delhi, New Delhi, Delhi, 110016	1920000
560	Physical & Mathematical Sciences	Complex Adjacency Spectra Of (Multi)Digraphs And Properties Of Tournaments	Dr. Gopinath Sahoo, Indian Statistical Institute Delhi, New Delhi, Delhi, 110016	1920000
561	Physical & Mathematical Sciences	Development Of Ionic Liquid Based Quasi Solid-Liquid Electrolytes For Electrochemical Supercapacitor Application	Dr. Alok Kumar Tripathi, University of Delhi, Delhi, Delhi, 110007	1920000
562	Physical & Mathematical Sciences	Wavelet Schemes For Class Of Multi Dimensional Parabolic Initial Boundary Value Problems	Dr. Harish Kumar Kotapally, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, 247667	1920000
563	Physical & Mathematical Sciences	Development of Highly Efficient Crack Sensor/indicator using Mechanoluminescent Phosphors	Dr. PIYUSH JHA, National Institute of Technology, Raipur, Chhattisgarh, 492010	1920000
564	Physical & Mathematical Sciences	Graphs with Combinatorial Matrices and Algebraic Combinatorics	Dr. Mukesh Kumar Nagar, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016	1920000

565	Physical & Mathematical Sciences	Combining magnetic hyperthermia and MRI imaging capabilities with helical nanoswimmers for applications in cancer theranostics	Dr. SUVRA SANTA LAHA, Indian Institute of Science, Bangalore, Karnataka, 560012	1920000
566	Physical & Mathematical Sciences	Low-cost multiferroics based oxide materials for digital memory and sensor applications	Dr. Ashish Kumar Mall, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
567	Physical & Mathematical Sciences	Late-time cosmic acceleration: prospects of dark energy research using HI 21cm signal	Dr. Ankan Mukherjee, Jamia Millia Islamia, New Delhi, Delhi, 110025	1920000
568	Physical & Mathematical Sciences	Design of Ferroelectric Perovskite Based Photoelectrodes for Efficient Solar to Hydrogen Conversion Applications	Dr. DEEPANSHU SHARMA, Jawaharlal Nehru University, New Delhi, Delhi, 110067	1920000
569	Physical & Mathematical Sciences	Magnetic and Magneto-transport properties of TaP and WTe ₂ based Weyl Semimetals	Dr. ABHISHEK SINGH, Tata Institute of Fundamental Research, Mumbai, Maharashtra, 400005	1920000
570	Physical & Mathematical Sciences	Magneto-transport properties of Cd ₃ As ₂ Dirac semimetal and correlation with topological insulator and Weyl semimetal	Dr. Rahul Singh, Bhabha Atomic Research Centre, Mumbai, Maharashtra, 400085	1920000