

SwarnaJayanti Fellowship 2015-16

List of Candidates for Presentation to National Core Committee

Venue: Indian Academy of Sciences

C.V.Raman Avenue, Sadashivanagar

Bengaluru-560080

Date: 20th & 21st October, 2016

S.No	Candidate/Applicant Name & Address	Project Title Temporary File No.	Date of Presentation
1.	Dr. Rahul Banerjee Physical/Materials Chemistry Div., CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pune-411008, Maharashtra	Mechano-processing of crystalline porous polymer membranes (CPPMs) and shapes (CPPSs) with ultrahigh surface area for molecular separation and dehumidification of natural gases DST/SJF/CS-07/2015-16	Thursday, 20th October, 2016
2.	Dr. Rohit Srivastava Department of Biosciences and Bioengineering, Indian Institute of Technology- Bombay, Powai, Mumbai-400076, Maharashtra	Pre-clinical studies of Organo-Inorganic Nanoparticles for Photothermal Therapy of Oral Cancer towards Phased Human Clinical Trials DST/SJF/ET-02/2015-16	Thursday, 20th October, 2016
3.	Dr. Amit Singh Department of Microbiology and Cell Biology, Indian Institute of Science, Bangaluru-560012, Karnataka	Gas-mediated antibiotic resistance in Mycobacterium tuberculosis DST/SJF/LS-14/2015-16	Thursday, 20th October, 2016
4.	Dr. Goutam Sheet Indian Institute of Science Education and Research Mohali, Knowledge City, Sector-81, SAS Nagar, Manauli PO, Mohali-140306, Punjab	Novel Quantum Ground States in Nanostructured Devices and Bulk Materials: Fundamentals & Applications DST/SJF/PS-04/2015-16	Thursday, 20th October, 2016
5.	Dr. Suryendu Dutta Department of Earth Sciences, Indian Institute of Technology- Bombay, Powai, Mumbai-400076, Maharashtra	Biosynthetic evolution of plant metabolites on a 'biotic ferry' DST/SJF/E&AS-04/2015-16	Thursday, 20th October, 2016
6.	Dr. Prahladh Harsha School of Technology & Computer Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai-400005, Maharashtra	Locally testable codes: Constructions and limitations DST/SJF/MS-05/2015-16	Thursday, 20th October, 2016

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7.	Dr. (Ms.) Jyotirmayee Dash Deptt. of Organic Chemistry, Indian Association for the Cultivation of Science, 2A & B, Raja S. C. Mullick Road, Jadavpur, Kolkata-700032, West Bengal	Targeting and Mimicking Nucleic Acid Quadruplexes: A Synthetic Organic Chemistry Paradigm DST/SJF/CS-23/2015-16	Thursday, 20th October, 2016
8.	Dr. Kausik Chakraborty CSIR-Institute of Genomics and Integrative Biology, Lab 104, DG1, Mathura Road, New Delhi-110025, Delhi	Understanding the contribution of inter- individual genomic differences in affecting cellular proteostasis DST/SJF/LS-44/2015-16	Thursday, 20th October, 2016
9.	Dr. M. M. Shaijumon School of Physics, Indian Institute of Science Education and Research, Thiruvananthapuram, CET Campus, Engineering College PO, Trivandrum-695015, Kerala	Hybrid Nanostructured Materials for Efficient Energy Systems DST/SJF/PS-21/2015-16	Thursday, 20th October, 2016
10.	Dr. Tapan Kanti Paine Deptt. of Inorganic Chemistry, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata-700032, West Bengal	Biomimetic Approaches to Sustainable Catalytic Oxidations with O ₂ DST/SJF/CS-16/2015-16	Thursday, 20th October, 2016
11.	Dr. Debdeep Mukhopadhyay Department of Computer Science and Engineering, Indian Institute of Technology- Kharagpur, Kharagpur-721302, West Bengal	Next-Generation Secured Internet of Things (IoT) DST/SJF/ET-67/2015-16	Thursday, 20th October, 2016
12.	Dr. Sanjit Mitra Inter-University Centre for Astronomy and Astrophysics, Post Bag - 4, Ganeshkhind, Pune-411007, Maharashtra	GravitationalWave Astronomy with a network of ground-based detectors DST/SJF/PS-26/2015-16	Thursday, 20th October, 2016
13.	Dr. Santanu Misra Department of Earth Sciences, Indian Institute of Technology- Kanpur, Kanpur-208016, Uttar Pradesh	Dynamics of subduction interface and its implications for earthquake generating frictional sliding to volcano feeding partial melting in convergent plate tectonic boundaries DST/SJF/E&AS-14/2015-16	Thursday, 20th October, 2016
14.	Dr. Subi Jacob George Supramolecular Chemistry Lab, New Chemistry Unit , Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru-560064, Karnataka	Bio-inspired Strategies for Kinetically Controlled Supramolecular Polymerization and Prospective Opto-electronic Applications DST/SJF/CS-12/2015-16	Thursday, 20th October, 2016

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15.	Dr. Dasaradhi Palakodeti Institute for Stem Cell Biology and Regenerative Medicine, NCBS Campus, GKVK, Bengaluru-560065, Karnataka	Dissect the functional relevance of ribosome heterogeneity in pluripotent stem cells using regenerative model system Planarian Schimidtea mediterranea and human embryonic stem cells DST/SJF/LS-99/2015-16	Thursday, 20th October, 2016
16.	Dr. Yogesh Singh Indian Institute of Science Education and Research Mohali, Sector 81, SAS Nagar, Manauli PO, Mohali-140306, Punjab	Fate of the electron across a metal-insulator transition in doped semiconductors DST/SJF/PS-34/2015-16	Friday, 21st October, 2016
17.	Dr. T Govindaraju Bioorganic Chemistry Laboratory, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru-560064, Karnataka	Multifunctional Probes and Inhibitors to Study and Alleviate Multifaceted Toxicity in Alzheimer's Disease DST/SJF/CS-30/2015-16	Friday, 21st October, 2016
18.	Dr. (Ms.) Smitha V. Thampi Vikram Sarabhai Space Centre, Space Physics Laboratory, ISRO Post, Thumba, Thiruvananthapuram-695022, Kerala	Distribution of Oxygen and Hydrogen in the Upper Atmosphere of Mars and Modeling their Escape DST/SJF/E&AS-19/2015-16	Friday, 21st October, 2016
19.	Dr. Saurabh Lodha Deptt. of Electrical Engineering Indian Institute of Technology- Bombay, Powai, Mumbai-400076, Maharashtra	2D Heterostructure Electronic and Optoelectronic Devices DST/SJF/ET-69/2015-16	Friday, 21st October, 2016
20.	Dr. Sanjeev Das National Institute of Immunology, Molecular Oncology Laboratory, New Delhi-110067, Delhi	Investigating the role of metabolic enzymes in transcriptional dysregulation inherent to tumorigenesis DST/SJF/LS-27/2015-16	Friday, 21st October, 2016
21.	Dr. Pakkirisamy Thilagar Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru-560012, Karnataka	Design, Development of Borographenoids: Fundamentals and Applications DST/SJF/CS-34/2015-16	Friday, 21st October, 2016

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22.	Dr. Rajesh Ganapathy International Centre for Materials Science, Jawaharlal Nehru Center for Advanced Scientific Research, Jakkur, Bangalore-560064, Karnataka	Designer granular matter for probing the physics of non-equilibrium glass transition(s) DST/SJF/PS-18/2015-16	Friday, 21st October, 2016
23.	Dr. Vijay Natarajan Department of Computer Science and Automation, Indian Institute of Science, Bengaluru-560012, Karnataka	Topological Analysis for Efficient and Reliable Visualization and Exploration of Time-Varying Data DST/SJF/ET-39/2015-16	Friday, 21st October, 2016