

## SwarnaJayanti Fellowships Scheme- 2019-20

Shortlisted Candidates for Presentation before Subject Area Committee in  
Chemical Sciences on 28<sup>th</sup> July, 2020 (Tuesday) at 945 hrs  
through video conferencing/ web meeting

S.No	Title of the Proposed Project Proposal/ Temporary File No.	Applicant Name And Address
1.	Modulating dopant-graphene interactions through molecular design Towards stable n-doped graphene and consequent hierarchical molecular devices  <b>DST/SJF/CS/2020/52</b>	Dr. Maheswaran Shanmugam Deptt. of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai -400076
2.	Iridium-Catalyzed Enantioselective Allylic Substitution Reactions and their Applications for the Synthesis of Active Pharmaceutical Ingredients (APIs)  <b>DST/SJF/CS/2020/53</b>	Dr. Santanu Mukherjee Deptt. of Organic Chemistry, Indian Institute of Science, Bengaluru- 560012
3.	Lanthanide Doping in Perovskite Semiconductors: visible to infrared electroluminescence  <b>DST/SJF/CS/2020/54</b>	Dr. Angshuman Nag Deptt. of Chemistry, Indian Institute of Science Education and Research Pune, Dr. Homi Bhabha Road, Pune -411008
4.	Chemical Bonding Under Stress: Stabilizing New Phases of Materials Under Extreme Condition  <b>DST/SJF/CS/2020/55</b>	Dr. Ayan Datta School of Chemical Sciences, Indian Association for the Cultivation of Science, 2A & 2B Raja S C Mullick Road, Kolkata -700032
5.	Guiding Artificial Metalloenzymes Towards Synthesizing Optically Active Pharmaceuticals  <b>DST/SJF/CS/2020/67</b>	Dr. Debabrata Maiti Deptt. of Chemistry, Indian Institute of Technology-Bombay, Powai, Mumbai -400076
6.	Sustained Autonomy in Out of Equilibrium Supramolecular Materials  <b>DST/SJF/CS/2020/68</b>	Dr. Dibyendu Das Deptt. of Chemical Sciences, Indian Institute of Science Education and Research (IISER)- Kolkata, Mohanpur-741246
7.	Design, development and application of C2-symmetric chiral cyclopentadien(on)e in the transition metal catalyzed asymmetric transformation  <b>DST/SJF/CS/2020/73</b>	Dr. P. Anbarasan Deptt. of Chemistry, Indian Institute of Technology-Madras, Chennai -600036
8.	Non-innocent Ligands for Catalysis with Earth-Abundant Metals  <b>DST/SJF/CS/2020/74</b>	Dr. Ekambaram Balaraman Deptt. of Chemistry, Indian Institute of Science Education and Research- Tirupati, Rami Reddy Nagar, Karakambadi Road, Mangalam P.O, Tirupati -517507

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9.	Photoresponsive Memristive Discotic Liquid Crystals for the Development of Conceptually New Artificial Eye  <b>DST/SJF/CS/2020/86</b>	Dr. Santanu Kumar Pal Deptt. of Chemical Sciences, Indian Institute of Science Education and Research-Mohali Knowledge City, Sector 81, SAS Nagar, Manauli P.O Mohali-140306
10.	Deciphering the origin of stability of PPII helices: Rational design of PPII helical polyQ-aggregation inhibitors and artificial collagen mimics  <b>DST/SJF/CS/2020/89</b>	Dr. Bani Kanta Sarma New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur P.O, Bengaluru -560064
11.	Engineering Artificial Bio-hybrid Catalysts for Asymmetric Catalysis and Sustainable Chemistry  <b>DST/SJF/CS/2020/92</b>	Dr. Basker Sundararaju Deptt. of Chemistry, Indian Institute of Technology- Kanpur, Kanpur - 208016