

SwarnaJayanti Fellowships Scheme- 2019-20

List of Applications - Mathematical Sciences

S.No	Title of the Proposed Project Proposal/ Temporary File No.	Applicant Name and Address
1.	Theoretical Modelling and Analysis of Communication Networks via Space-Time Point Processes DST/SJF/MS/2020/15	Dr.Rahul Vaze Tata Institute of Fundamental Research (TIFR) 1, Homi Bhabha Road, Colaba, Mumbai Maharashtra-400005
2.	Categorical and arithmetic structure of Bernstein blocks. DST/SJF/MS/2020/16	Dr.Manish Kumar Mishra Indian Institute of Science Education and Research-Pune Dr. Homi Bhabha Road, Pune Maharashtra-411008
3.	Analysis of Nonlinear Nonlocal Partial Differential Equations: A Probabilistic Viewpoint DST/SJF/MS/2020/17	Dr.Anup Biswas Indian Institute of Science Education and Research-Pune Dr. Homi Bhabha Road, Pune Maharashtra-411008
4.	Provable guarantees for machine learning, with a focus on manifolds and Lie theoretic symmetries DST/SJF/MS/2020/18	Dr.HariharanNarayanan Tata Institute of Fundamental Research (TIFR) 1, Homi Bhabha Road, Colaba, Mumbai Maharashtra-400005
5.	Analytic aspects of Automorphic forms and L-functions DST/SJF/MS/2020/20	Dr.Soumya Das Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
6.	Multispecies Exclusion Processes DST/SJF/MS/2020/21	Dr.Arvind Ayyer Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
7.	Special values of L-functions DST/SJF/MS/2020/22	Prof.Mahesh Kakde Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012

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8.	Algebraic Complexity of Symmetric Functions DST/SJF/MS/2020/26	Dr.Nutan Limaye Indian Institute of Technology-Bombay, Powai, Mumbai Maharashtra-400076
9.	Zeta functions arising from modular relations, asymptotics of generalized Lambert series, and mock theta functions DST/SJF/MS/2020/27	Prof.Atul Abhay Dixit Indian Institute of Technology- Gandhinagar Palaj, Gandhinagar Gujarat-382355