

SwarnaJayanti Fellowships Scheme- 2020-21

Applications Received - Mathematical Sciences

S.No	Title of the Proposed Project Proposal/ Temporary File No.	Applicant Name And Institute
1.	Role of Randomness in Fluid Flow Equations Theory and Applications DST/SJF/MS/2021/44	Prof.Ujjwal Koley Tata Institute of Fundamental Research - Centre For Applicable Mathematics, Bengaluru
2.	Identifying Shifts Forecasting in Transmissibility of COVID-19 Pandemic Using Chain Binomial Model DST/SJF/MS/2021/43	Dr.Mukesh Ranjan Pachhunga University College, Aizawl
3.	Study of strong large deviations probabilities DST/SJF/MS/2021/42	Dr.ARIJIT CHAKRABARTY Indian Statistical Institute, Kolkata
4.	Positive matrices An interplay of matrix analysis, geometry and quantum information. DST/SJF/MS/2021/41	Dr.Tanvi Jain Indian Statistical Institute, New Delhi
5.	Conditional Sampling and its applications to Testing Probabilistic Programs DST/SJF/MS/2021/40	Prof.Sourav Chakraborty Indian Statistical Institute, Kolkata
6.	Tempo effects in period fertility and the Cohort fertility patterns of Indian women DST/SJF/MS/2021/39	Dr.Samba Siva Rao Pasupuleti Mizoram University, Aizawl
7.	Development of metaheuristic hybrid algorithms and applications in decision making problems in different environments DST/SJF/MS/2021/38	Dr.Ali Akbar Shaikh The University of Burdwan, Burdwan
8.	Generalized Herglotz functions, zeta functions arising from modular relations, asymptotics of generalized Lambert series, and mock theta functions DST/SJF/MS/2021/37	Prof.Atul Abhay Dixit Indian Institute of Technology, Gandhinagar
9.	Noise sensitivity, Metastability and Random Geometry DST/SJF/MS/2021/36	Mr.Yogeshwaran Dhandapani Indian Statistical Institute, Bengaluru

10.	Fixed point theory in Hyperspaces via a class of new iterated function systems DST/SJF/MS/2021/35	Dr.Saurabh Kumar Katiyar SRM Institute of Science and Technology, Chennai
11.	Categorical and arithmetic structure of Bernstein blocks. DST/SJF/MS/2021/34	Dr.Manish Kumar Mishra Indian Institute of Science Education and Research, Pune
12.	Development of non-parametric and quantile based methodologies DST/SJF/MS/2021/33	Dr.Subhra Sankar Dhar Indian Institute of Technology, Kanpur
13.	Mathematical Modeling of COVID-19 DST/SJF/MS/2021/32	Dr.Aswin Kumar Rauta Sri Krushna Chandra Gajapati (Autonomous) College, Paralakhemundi
14.	Family of Slash Distributions and its Application to Atmospheric Sciences DST/SJF/MS/2021/31	Dr.Sahana Bhattacharjee Gauhati University, Jalukbari
15.	Nonlinear elliptic equations with Hardy potential DST/SJF/MS/2021/30	Dr.Mousomi Bhakta Indian Institute of Science Education and Research, Pune
16.	Arithmetic geometric properties of modular forms. DST/SJF/MS/2021/29	Dr.Debargha Banerjee Indian Institute of Science Education and Research, Pune