SwarnaJayanti Fellowships Scheme- 2020-21

Shortlisted Candidates for Presentation before Subject Area Committee in Physical Sciences

Date of Online/Virtual Presentation/ Meeting: Thursday, 16th September, 2021

Time: 09.30 a.m.

S.No	Title of the Proposed Project Proposal/ Temporary File No.	Applicant Name and Institute
1.	Imaging convection in the interior	Dr. Shravan Hanasoge
	of the Sun	Department of Astronomy and Astrophysics,
		Tata Institute of Fundamental Research,
	DST/SJF/PS/2021/114	1, Homi Bhabha Road, Colaba,
		Mumbai-400005
2.	Supernova remnants as the gateway	Dr. Nirupam Roy
	to understand astrophysical	Department of Physics,
	turbulence and star formation	Indian Institute of Science,
		Bengaluru -560012
	DST/SJF/PS/2021/115	
3.	Entanglement and quantum	Dr. Sumilan Banerjee
	information in interacting and	Department of Physics,
	topological quantum systems	Indian Institute of Science,
		Bengaluru -560012
	DST/SJF/PS/2021/118	
4.	Interplay of Symmetries and	Dr. Subhro Bhattacharjee
	entanglement in gapless quantum	ICTS- TIFR,
	matter	Survey No. 151,
	DCT /CIE /DC /2021 /120	Shivakote, Hesaraghatta Hobli,
5.	DST/SJF/PS/2021/120 Molecular-adducts and radicals for	Bengaluru -560089
Э.	electronic doping	Dr. Pabitra Kumar Nayak Tata Institute of Fundamental Research-
	electronic doping	Hyderabad,
	DCT /SIE /DC /2021 /122	36/P, Gopanpally Village,
	DST/SJF/PS/2021/132	Serilingampally Mandal,
		Ranga Reddy District,
		Hyderabad- 500046
6.	On the Crystallographic, Electronic,	Dr. Narayanan T N
	and Opto-Electronic Tunability of	Tata Institute of Fundamental Research-
	Metals and Metal Dichalcogenides in	Hyderabad,
	'Water-in-Salt' Electrolytes for High	36/P, Gopanpally Village,
	Performance Energy Systems	Serilingampally Mandal,
		Ranga Reddy District,
	DST/SJF/PS/2021/141	Hyderabad- 500046
7.	Scattering Amplitudes and Flat	Dr. Shamik Banerjee
	Space Holography	Institute of Physics
		Sachivalaya Marg,
	DST/SJF/PS/2021/147	Bhubaneswar – 751005
8.	Unravelling the microphysics of	Dr. Samriddhi Sankar Ray
	warm clouds: The collision-	ICTS- TIFR,
	coalescence conundrum	Survey No. 151,
	DCT (CVD /DC /2024 /4 54	Shivakote, Hesaraghatta Hobli,
	DST/SJF/PS/2021/151	Bengaluru -560089

9.	Moiré magnets and topological	Dr. Tanmoy Das
	hierarchy	Department of Physics,
		Indian Institute of Science,
	DST/SJF/PS/2021/153	Bengaluru -560012
10.	Cluster dynamics in self-organized	Dr. Vishwesha Guttal
	biological systems	Centre for Ecological Sciences
		Indian Institute of Science,
	DST/SJF/PS/2021/155	Bengaluru -560012
11.	Non-equilibrium dynamics in	Dr. Arnab Sen
	quantum matter: from spin systems	School of Physical Sciences,
	to lattice gauge theories	Indian Association for the Cultivation of
		Science,
	DST/SJF/PS/2021/159	Jadavpur,
		Kolkata- 700032
12.	Exploring spin-manipulated charge	Dr. Praveen Kumar
	transport in disordered/	School of Materials Science,
	asymmetric hybrid 2D materials for	Indian Association for the Cultivation of
	green energy generation and	Science,
	storage	Jadavpur,
		Kolkata- 700032
	DST/SJF/PS/2021/160	
13.	Hydrodynamics of swimming	Dr. Sumesh P. Thampi
	spermatozoa cells	Department of Chemical Engineering,
		Indian Institute of Technology-Madras,
	DST/SJF/PS/2021/168	Chennai-600036