

SwarnaJayanti Fellowships Scheme- 2020-21

Applications Received -Earth & Atmospheric Sciences

S.No	Title of the Proposed Project Proposal/ Temporary File No.	Applicant Name And Institute
1.	Detection and Attribution of Multiscale Teleconnections of Hydrological Extremes of India using Hybrid Statistical Approaches DST/SJF/EAS/2021/74	Dr.Adarsh S TKM College of Engineering, Kollam
2.	The state and fate of permafrost carbon in the Himalayas DST/SJF/EAS/2021/73	Dr.Indra Sekhar Sen Indian Institute of Technology-Kanpur
3.	The Western Ghats: Water Tower of the Peninsular India DST/SJF/EAS/2021/72	Dr.Kandula V Subrahmanyam Vikram Sarabhai Space Centre Thiruvananthapuram
4.	Fabrication of Metal-Organic Frameworks MOFs based Hybrid Materials for Toxic Anions Removal from Water DST/SJF/EAS/2021/71	Dr.Viswanathan N Anna University, University College of Engineering, Dindigul
5.	Cut slope stability and sub-surface investigations of National Highways and State Highway of in and around Aizawl, Mizoram, Northeast India DST/SJF/EAS/2021/70	Dr.Laldinpuia Pachhunga University College, Aizawl
6.	Ocean alkalinity enhancement and its impacts on biogeochemical cycling DST/SJF/EAS/2021/69	Dr.Arvind Singh Physical Research Laboratory, Ahmedabad
7.	Shock processing of astromaterials DST/SJF/EAS/2021/68	Dr.Bhalamurugan Sivaraman Physical Research Laboratory, Ahmedabad
8.	Investigation of ionospheric F region two dimensional plasma structures using multi-wavelength all-sky airglow imaging technique DST/SJF/EAS/2021/67	Dr.Sumanta Sarkhel Indian Institute of Technology, Roorkee
9.	Hydrogeomorphic Analysis Anthropogenic Impacts on Rivers and Fluvial Metamorphosis in the Lower Ganga Basin, West Bengal - Assessment and Management DST/SJF/EAS/2021/66	Dr. Sandipan Ghosh Chandrapur College, Bardhaman

10.	Predicting behaviour of the West Antarctic ice-sheet in near-future climate using the Pliocene records DST/SJF/EAS/2021/65	Dr.Waliur Rahaman National Centre for Polar and Ocean Research, Vasco-da-Gama
11.	Investigation of Adsorption/Desorption Characteristics and their effect on Stress-Strain behavior during CO ₂ Sequestration in Indian Coal DST/SJF/EAS/2021/64	Dr.Harinandan Kumar University of Petroleum and Energy Studies, Dehradun
12.	A study on impact of application of agrochemicals in an emerging exotic horticulture fruit plant Rambutan Nephelium lappaceum L., in selected region DST/SJF/EAS/2021/63	Dr.Sreedharan K Integrated Rural Technology Centre, Palakkad
13.	Evaluation on the impact of temperature stress (heatwaves) under climate change scenario on Catla catla, Labeo rohita and Cirrhinus cirrhosus via genomic studies DST/SJF/EAS/2021/62	Dr.K Govindaraju Sathyabama Institute of Science and Technology (Deemed to be University), Chennai
14.	Selenium as a proxy for sulfuric-acid mediated CO ₂ release from river basins DST/SJF/EAS/2021/61	Dr.Gyana Ranjan Tripathy Indian Institute of Science Education and Research, Pune
15.	The impact of air pollution levels on the production of tropospheric ozone in Bengaluru. DST/SJF/EAS/2021/60	Dr. A Sunil Sri Sathya Sai Institute of Higher Learning, Karnataka
16.	Late Pleistocene and Holocene Glacier Dynamics and Landforms evolution in NW Garhwal Himalaya, Uttarakhand, India DST/SJF/EAS/2021/59	Dr.Pawan Kumar Chaudhary Bansi Lal University, Bhiwani
17.	Development of high resolution microwave-based products for understanding Himalayan vegetation dynamics and hydrology DST/SJF/EAS/2021/58	Dr.Prashant K Srivastava Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi
18.	Horizontal diffusive transport and mixing in the upper ocean DST/SJF/EAS/2021/57	Dr.Manikandan Mathur Indian Institute of Technology Madras

19.	Studying the effect of gestational exposure of environmental pollutants ambient on cardiovascular system development An experimental study using Wistar albino rat. DST/SJF/EAS/2021/56	Dr.Muhammed Ibrahim University of Madras, Chennai
20.	Quantifying the present and future impacts of climatically sensitive oceanic trace gases on monsoon precipitation DST/SJF/EAS/2021/55	Dr.Anoop Sharad Mahajan Indian Institute of Tropical Meteorology, Pune