

F.Y. 2020-2021

S. No.	Date of sanction	DST File Number and Project Title	Principal Investigator details	Duration (year)
1	01.11.2020	DST/NM/NT-2019/193 Design and Fabrication of wide-band rejection shield using multilayers of periodic resonator arrays and carbon-based nanocomposites	Dr. Sangeeta Kale Department of Applied Physics, Defence Institute of Advanced Technology, Pune-411025 (Maharashtra)	3
2	18.08.2020	DST/NM/NT/2019/201 Nanodelivery of conspecific kisspeptin to enhance sexual maturity and gonadal development in catla	Dr. Rupam Sharma Dept. of Fish Genetics and Biotechnology, Central Institute of Fisheries Education (CIFE), Mumbai 400061	3
3	8.05.2020	DST/NM/COVID-07/2020 N9 blue nano silver and its nano composites as antiviral nano coatings for protection against COVID-19 virus	Prof. Ashwini Kumar Agrawal IIT-Delhi	1
4	6.05.2020	DST/NM/COVID-05/2020 Development of scalable and reusable N95 and N99 mask with enhanced antiviral/antibacterial property	Prof. Sri Sivakumar IIT- Kanpur	1
5	12.05.2020	DST/NM/COVID-06/2020 Large Scale production of reusable and Compostable Cellulose - Nanocrystals formulated nano - Coating based anti - Viral masks and overall Suits for COVID 19 Patients and Health Workers	Prof. Vimal Katiyar IIT- Guwahati	1
6	2.06.2020	DST/NM/COVID-08/2020 Organic-Inorganic Hybrid Nanocoatings for Disposable Masks: A Formidable Arsenal against Pathogenic COVID-19	Dr R Viswanatha Jyothy Institute of Technology- Bengaluru	1
7	10.07.2020	DST/NM/COVID-158/2020 Development of self-disinfecting nanoparticle and electrospun coatings on face masks and medical suits for Combating COVID19	Dr. Tata Narsing Rao, ARCI-Hyderabad	1
8	15.07.2020	DST/NM/COVID-159/2020 Aesthetically acceptable, breath friendly triboelectric face masks: Design, fabrication, testing & technology translation	Dr Pralay Kanti Santra CeNS- Bengaluru	1
9	20.10.2020	DST/NM/TUE/QM-11/2019 REPT/PtBi Thin Films - A Multifunctional Experimental Platform for Exploring Topological Quantum Phenomena Amp Magnetism	Prof. Ratnamala Chatterjee IIT-Delhi	3

10	2.11.2020	DST/NM/TUE/QM-2/2019 Atomically-thin photonic devices as hosts of single-photons and entangled-photon pairs emitters and single-spins for quantum sciences and technologies	Dr. Santosh Kumar IIT-Goa	3
11	7.12.2020	DST/NM/TUE/QM-6/2019 Nano-devices with correlated quantum materials	Prof. Zakir Hossain IIT-Kanpur	3
12	9.12.2020	DST/NM/TUE/QM-4/2019 Tuning of magnetic skyrmionic spin structure in ferrimagnetic nanostructure for data storage application	Dr. Jyoti Ranjan Mohanty IIT- Hyderabad	3
13	29.01.2021	DST/NM/TUE/QM-1/2019 Emergent phases in 2D Quantum Materials & Heterostructures	Pro.Prasanna K. Sahoo/ Dr. Vidhya Kochat/ Prof. Basudev Lahiri IIT-Kharagpur	5
14	29.01.2021	DST/NM/TUE/QM-1/2019 Emergent phases in 2D Quantum Materials &Heterostructures	Prof. Abhishek K. Singh IISc-Bengaluru	5
15	29.01.2021	DST/NM/TUE/QM-1/2019 Emergent phases in 2D Quantum Materials &Heterostructures	Prof. Joysurya Basu IIT-BHU	5
16	11.03.2021	DST/NM/NS/2020/343 Chiral plasmonic nanogap platforms for giant THz circular dichroism	Prof. Parinda Vasa IIT-Bombay	3
17	26.02.2021	DST/NM/NT/2019/223 Design of a hybrid magento-rheometer operating under compression and shear mode for characterizing rheological and tribological properties of nano smart fluids	Dr. Chiranjit Sarkar , IIT Patna	3
18	2.04.2020	DST/NM/NT/2018/29 Design and development of MEMS based detectors and their real time testing as IR Laser based sensor system for environmental monitoring	Prof. Maryam S. Baghini, IIT Bombay Prof. Bhaskar Mitra, IIT Delhi	3
19	24.08.2020	DST/NM/TAP-AGR/03/2019 Assessing the environment fate and transport of a mixture of nanoparticles through soil	PI: Dr. Arun Kumar, IIT Delhi Dr. Seetha N, IIT- Hyderabad	3
20	25.08.2020	DST/NM/TAP-AGR/01/2019 Fabrication of Handheld Device for On-site Applications: Pesticide Monitoring in Environment and Agriculture Products	Dr. Narinder Singh IIT- Ropar, Rupnagar	3
21	01.09.2020	DST/NM/TAP-AGR/02/2019 Electrohydrodynamic Encapsulation of Probiotics in Prebiotic Nanofibres for Food Applications	Dr. P.Heartwin Amaladhas ICAR-National Dairy Research Institute, Southern Regional Station, Bengaluru Dr. Sachin Kumar ICAR-National Dairy Research Institute, Karnal	3