

2020-21

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Investigation of Sorption Properties of Natural Shale Rock samples for Metal Ions of Nuclear Importance Under Different Experimental Conditions	Dr. Uttam Kumar Bhui	Board of Research in Nuclear Sciences	Government	Petroleum	2020	33.43	3 Years
NANOSOL: A Multifunctional Advanced Therapeutic Burn Wound Dressing	Dr. S. Sundar Manoharan, Dr. M.S. Srinivsan, Dr. Sam Scudder & Dr. D.Sivaraman	Ministry of Human Resource Development - STARS	Government	Chemistry	2020	49.75	3 Years
Modelling of GLOF Conditions to Occur and Modelling of Retreat of Glaciers	Dr. Poonam Mishra	Indian Space Research Organization	Government	Mathematics	2020	24.84	3 Years
Studies on Optical, Electrical, Microstructural Properties of MoS ₂ , SnS ₂ and MoS ₂ -SnS ₂ Hybrid Nanostructured Thin Films for Solar Cell Applications	Dr. Rama Gaur, Dr. Emila Panda	Science and Engineering Research Board	Government	Chemistry	2020	8.25	3 Years
Development of Mxene-Transition Metal Compound Sulphide and Phosphide Hetro Nanstructures as Electrocatalysts for Overall Water Splitting	Dr. Nitin Chaudhari, Prof. Kwangyeol Lee	Department of Science & Technology	Government	Chemistry	2021	36.74	3 Years

Electrostatic Spray and CVD Based Textured and Solid Lubricated cBN - TiAlN - Graphene Coatings for Cutting Tools	Dr. Ramesh Kumar Guduru Dr. vipindas K.	Science and Engineering Research Board	Government	Mechanical	2021	43.60	3 Years
Investigation on the use of Submicron/ Nano scale Powder Waste from Industries (Ceramic Tiles Waste and Bottom Ash) as a Cement Replacement for Concrete/Construction Applications	Dr. Niragi Dave, Dr. Ramesh Kumar Guduru	Gujarat Council on Science and Technology	Government	Civil	2021	24.72	3 Years
Smart Steam Disinfection System to Fight COVID 19 in Public Places	Dr. Vivek Patel, Dr. Rajat Saxena & Dr. Jatin Patel	Gujarat Council on Science and Technology	Government	Mechanical	2021	18.04	1 Year
Development of Low Cost and Flexible Memristor Devices for High Density Data Storage and Neuromorphic Applications	Dr. Ankur Solanki, Dr. Mohendra Roy & Dr. Prahlad Kumar Baruah	Science and Engineering Research Board	Government	Physics	2021	71.25	3 Years
Mechano-chemical Synthesis of low cost and efficient Perovskite Solar cells	Dr. Pankaj Yadav, Mr. Himanshu Choksi	Gujarat Council on Science and Technology	Government	Solar Energy	2021	34.36	3 Years