

Ongoing Projects										
Sr. No.	Faculty	Project Title	Funding Agency	PI/Co-PI	Partner if Co-PI	Start Month & Year	Duration (Yrs)	Total Cost (in Lacs)	PDPU Share if Co-PI	Remarks
1	Dr. Anirban Das	Tracking chromium (VI) migration in groundwater using stable isotopes of Chromium	DST	PI	NA	Mar-17	3	38.6		Extended till June 2021
2	Dr. Manoj Pandey	Water Innovation Centre Training and Research, PDPU with IITM, IITH, NCL, BARC	DST	Co-PI	Dr. Shobha Shukla, IITB	Sep-18	5		20	Special research centre in collaboration with IITB, IITH and NCL
3	Dr. Ranjan K Pati	Nanostructured Electrolyte Materials for Low Temperature Solid Oxide Fuel Cell (LT-SOFC)	DST-SERB	PI	NA	Mar-19	3	30	-	-
4	Dr. Kalisadhan Mukherjee	Towards the development of facilities for studying the (a) volatile organic sensing characteristics of chemiresistive samples (b) defluoridation performances of chemically modified ceramic adsorbents	PDPU	PI	NA	May-19	2	10	-	-
5	Dr. Anirban Das	Sulfuric acid mediated weathering in the Ganga and the Brahmaputra (GYB) River Basins: Constraints from Sulfur and oxygen isotopes in dissolved sulfate	MoES	PI	NA	Jul-19	3	41.1	-	-
6	Dr. Manoj Pandey	Mechanochemical Approach for Perovskite Solar Cells: A way towards efficient, stable and low cost Solar cells	DST	Co-PI	Dr. pankaj Yadav	Jul-19	3	-	50	-
7	Dr. Busupalli Balanagulu	Salt induced dissipation of energy in synthetic cells as a power source	PDPU Milestone Grant	PI	NA	Aug-19	2	10	NA	-
8	Dr. Manoj Pandey	Mechanosynthesis of Stable and Efficient 2D Perovskite Solar Cells	DST	Co-PI	Dr. Pankaj Yadav	Aug-19	3	-	50	-
9	Dr. Tapan Pal	Synthesis of Metal Organic Framework and their potential application	ORSP PDPU	PI	Prof. Rajib Bandyopadhyay	Nov-20	1.6	2.8	NA	-
10	Dr. Rama Gaur	"Studies on optical, electrical and microstructural properties of MoS ₂ , SnS ₂ and MoS ₂ -SnS ₂ hybrid	(DST-SERB-Teachers Associateship	Dr. Rama Gaur Dr. Emila	Dr. Emila Panda (Mentor)	Dec-20	3	15	-	-

		nanostructured thin films for solar cell applications”	for Research Excellence (TARE).	Panda (Mentor)	IIT Gandhinagar					
11	Dr. Nitin Chaudhari	Development of MXene-Transition Metal Compound Hetero-Nanostructures as Electrocatalysts for Overall Water Splitting	DST-NRF (India-Korea Bilateral International Cooperation)	PI	Prof. Kwangyeol Lee, Korea University, South Korea	Feb-21	3	115	37	-
12	Dr. Tapan Pal	Detection of Biomarkers through Nanoscale Metal-Organic Frameworks (MOFs)	Teachers Associateship for Research Excellence (TARE) under Science and Engineering Research Board	Sriram Kanvah (IITGn)	-	Dec, 2021	3	-	-	-
13	Dr. Anu Manhas	A hybrid structure-based modelling technique in exploring the effectiveness of natural compounds against the potential anticancer druggable target cyclin-dependent kinase protein	Teachers Associateship for Research Excellence (TARE) under Science and Engineering Research Board	Prof. Prakash C. Jha (CUG)	-	Dec, 2021	3	-	-	-
14	Dr. Nandini Mukherjee	Synthesis, characterization and DFT-studies of anthracene-based chemosensors for amino acid sensing (Student Research Project)	ORSP-PDEU	Dr. Anu Manhas	-	Sept., 2021	1	-	-	-
15	Dr. Kalisadhan Mukherjee	Towards the development of chemically modified conducting polymer based chemiresistive sensor for the detection of harmful gases at room temperature (Student Research Project)	ORSP-PDEU	Dr. Paawan Sharma	-	Sept., 2021	1	-	-	-
16	Dr. Syed Shahabuddin	Cost effective approach towards recycling of used lubricant oil using polyaniline based clay composites (Student Research Project)	ORSP-PDEU	Dr. Rama Gaur	-	Sept., 2021	1	-	-	-

17	Dr. Prakash Chandra	Versatile transition metal based dichalcogenides for the synthesis of valuable pharmacophores from Industrial waste (Student Research Project)	ORSP-PDEU	-	-	Sept., 2021	1	-	-	-
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