

Submitted Project

Sr. No.	Faculy	Project Title	Funding Agency	PI/Co-PI	Partner if Co-PI	Duration (Yrs)	Proposed Cost (in Lacs)
1	Dr. Ankur Solanki	Prototype development of a low cost and stable perovskite solar cell for flexible applications	SERB	PI	None	3	74
2	Dr. Kalisadhan Mukherjee	Towards the development of efficient adsorbents for defluoridation of water and adjunct gravity filtration module for domestic purpose	Shastri Indo-Canadian	PI	André Lajeunesse	2	10
3	Dr. Manoj Pandey	Fluoranthene and Squaraine analogues as Donor and Acceptor in Organic Solar Cells, A combined Computational and Experimental Approach'	DST, Nanomission	PI	Dr. Satyam Shinde & Dr. Pankaj Yadav PDPU	3	84.3
4	Dr. Manoj Pandey	"Encapsulation of Antidepressants by Cucurbit[7]uril and its effect on the hepatotoxicity of the drug"	SERB	PI	Dr. Satyam Shinde PDPU	3	66.2
5	Dr. Manoj Pandey	Improving the Stability of Perovskite Solar Cells (>1000 Hrs)	DST	PI	Dr. Pankaj Yadav PDPU Solar	3	47.4
6	Dr. Ranjan Pati	Fabrication of Intermediate Temperature Solid Oxide Fuel Cell (IT-SOFC) using Nanomaterials	GUJCOST	PI	Dr. Abhijit Ray	2	50
7	Dr. Ranjan Pati	Development of visible light sensitive inexpensive thin film photocatalysts for removal of inorganic and organic contaminants for drinking water	GUJCOST	Co-PI	Dr. Abhijit Ray (PI)	3	50
8	Prof. Rajib Bandyopadhyay	Solar Photocatalytic Removal of Heavy-ions & Dyes for Potable drinking Water	DBT	Co-PI	Dr. Abhijit Ray PDPU (PI)	3	68
9	Prof. Rajib Bandyopadhyay	Electrochemical Synthesis of Shape Controlled Nano-structured Te from Ionic Liquid Medium for Non-enzymatic Electrochemical H ₂ O ₂ Sensor	DBT	Co-PI	Prof. Indrajit Mukhopadhyay PDPU (PI)	3	42
10	Dr. Brijesh Tripathi & Dr. Manoj Kumar	Technology development for printing electrochemical sensors using additive manufacturing	SERB	Co-PI	Dr. Pavan Gurrala, PDPU (PI)	3	39