

Project Grants received by Faculties of PDPIAS

Sr. No.	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)	Dept	Year of Award	Funds provided (INR in lakhs)	Duration of the project (Years)	Funds received (INR in lakhs)
	January -April 2021		New Project						
1	To evaluate the in-vitro hyperthermic effects of magnetic fluid on cancer cells	Dr. Neeraj Jain/Dr. kinnari parekh	ICMR, New Delhi	Govt	PDPIAS	2021	32.23438	3	14.28813
	GIS-based mapping of microbial diversity across the Ganges for Ecosystem services	Dr. Datta Madamwar	National Mission for Clean Ganga (NMCG), Ministry of Jal Shakti, Department of Water Resources, River Development & Ganga Rejuvenation, New Delhi	Govt	PDPIAS	2019	39.9	2	3.99
	Financial sanction under Teachers Associateship For Research Excellence (TARE)	Dr. Abhishek Dadhania	SERB, DST, New Delhi	Govt	PDPIAS	2019	18.3	3	2.75
	2019-20								
1	Financial sanction under Teachers Associateship For Research Excellence (TARE)	Dr. Abhishek Dadhania	SERB, DST, New Delhi	Govt	PDPIAS	2019	18.3	3	2.75
2	GIS-based mapping of microbial diversity across the Ganges for Ecosystem services	Dr. Datta Madamwar	National Mission for Clean Ganga (NMCG), Ministry of Jal Shakti, Department of Water Resources, River Development & Ganga	Govt	PDPIAS	2019	39.9	2	9.975

			Rejuvenation, New Delhi						
	2018-19								
	NIL								
	2017-18								
Industry (Research expenditure/facility provided by the Industry)									
1	Design and development of prototype shock absorber/isolator using magneto rheological dampers	Dr. R V Upadhyay	Lubgraf Synoil Pvt. Ltd., Ahmedabad Industry (Research expenditure/facility provided by the Industry)	Non- Govt	PDPIAS	2017	1200000	3	2,35,000
	2016-17								
1a	Application of microaerophilic-aerobic bioreactor system in treating real textile effluents and metagenomic analyses of microbial community dynamics	Dr. Chirayu Desai	SERB, DST, New Delhi	Govt	PDPIAS	2,016	33.627	3	19.189
1b	Application of microaerophilic-aerobic bioreactor system in treating real textile effluents and metagenomic analyses of microbial community dynamics	Dr. Chirayu Desai	SERB, DST, New Delhi	Govt	PDPIAS	2,016	33.627	3	6.95
2a	Insilico identification of adsorbed material for complete separation of C5-C7 alkane isomers: an attempt towards upgradation of octane number of	Dr. Bhaskarjyoti Borah	SERB, DST, New Delhi	Govt	PDPIAS	2016	39.7	3	29.9

	petrol/gasoline								
2b	Insilico identification of adsorbed material for complete separation of C5-C7 alkane isomers: an attempt towards upgradation of octane number of petrol/gasoline	Dr. Bhaskarjyoti Borah	SERB, DST, New Delhi	Govt	PDPIAS	2016	39.7	3	4.5
3	To prepare and test tunable magnetic fluid diffraction grating	Dr. Rucha Desai	SERB, DST, New Delhi	Govt	PDPIAS	2017	50.07574	3	34.8934
4	Integrated eco-electrogenic system for efficient and sustainable treatment of textile wastewater	Dr. Chirayu Desai	Department of Biotechnology, New Delhi	Govt	PDPIAS	2017	52.762	3	31.13
5	Construction of putative hydroxycitric acid (HCA) biosynthetic pathway in Bacillus and engineering Escherichia coli for HCA production by heterologous expression of artificial putative HCA biosynthetic operon	Dr Aditi Buch	SERB, DST, New Delhi	Govt	PDPIAS	2017	40.5	3	13
6a	To engineer and develop suitable magnetic fluid for the induction heating based therapeutic strategy against cancer	Dr. Kinnari Parekh	SERB, DST, New Delhi	Govt	KRADLE	2017	49.38073	3	27.5956

6b	To engineer and develop suitable magnetic fluid for the induction heating based therapeutic strategy against cancer	Dr. Kinnari Parekh	SERB, DST, New Delhi	Govt	KRADLE	2017	49.38073	3	6
7	Development of thin film solar cells with low-cost earth-abundant materials by Inkjet Printing	Dr. Anjana Kothari	Science and Engineering Research Board (SERB), DST, New Delhi	Govt	KRADLE	2017	43.2256	3	17
2015-16									
1	Ferro Fluids : Science Technology Applications	Dr. R. V. Upadhyay Co-PI: Dr. Kinnari Parekh , Dr. Rucha Desai	TDP, Department of Science & Technology, New Delhi	Govt	PDPIAS & KRADLE	2,012	285.66	3	9.75
2	Identification of hydroxycitric acid (HCA) producing bacteria and probing its HCA biosynthetic mechanisms	Dr.(Ms.) Aditi D. Buch	SERB, DST, New Delhi	Govt	PDPIAS	2,012	23	3	5.5
3	Rare sugar production using isomerases and epimerase	Dr. Darshan Patel Co-Pi : Dr. R. B. Subramaniam	Department of Biotechnology, New Delhi	Govt	PDPIAS	2,013	31.51	3	
4	Development of bio-inoculants based on the marine bacterial isolate Pseudomonas sp. OG101 for growth promotion and management of pathogenic	Dr. Janki Thakker	DBT, New Delhi	Govt	PDPIAS	2016	27.3	3	5.498

	Fusarium in plants								
5	Eco-friendly textile effluent treatment coupled to bioelectricity generation using Microbial Fuel Cell (MFC) technology (DST-INSPIRE)	Dr. Hilor Pathak	Department of Science and Technology	Govt	PDPIAS	2014	35	5	
6	Development of solution-Based Zn nanostructures as light harvesters for low-cost solar photovoltaics	Dr. Anjana Kothari	GUJCOST, Gandhinagar, Gujarat	Govt	KRADLE	2016	4.5	3	2.5
7	To study Anti-cancer effects of Phosphonium ionic liquids on HPV positive and negative cervical cancer cell lines	Dr. Neeraj Jain	GUJCOST, Gandhinagar, Gujarat	Govt	PDPIAS	2014	5	3	2.45
8	Carotenoids from Marine Microbes: Extraction, Purification and Applications	Dr. Janki Thakker	GUJCOST, Gandhinagar	Govt	PDPIAS	2014	4	3	
9	Elastin Like Polypeptide (ELP) Tagged Amylase and Xylosomerases: Alternative Purification and Immobilization Technology	Dr. Darshan Patel Co-PI : Dr. Jagdish Patel	Department of Biotechnology, New Delhi	Govt	PDPIAS	2013	11.93	3	
10	Implication of P glycoprotein modulation by phytochemicals to increase bioavailability of drug in hyperglycemic stress	Dr. Jagdish Patel	SERB, Department of Science & Technology, new Delhi	Govt	PDPIAS	2013	16.1	3	
11	Formulation of a Unique Magnetic Nanoparticles based DNA, RNA and Protein Extraction Kit	Dr. C. N. Ramchand Co PI: Dr. Rucha Desai & Dr.	Gujarat Council of Science & Technology (GUJCOST), Gandhinagar	Govt	PDPIAS	2013	3.5	3	

		Hilor Pathak							
12	Studies on electrical and photoelectronic properties of PbS/polymer nanocomposites	Prof. T. K. Chaudhuri	UGC-DAE Consortium for Scientific Research, Indore	Govt	KRADLE	2014	6	2	
13	Inkjet printing of Inorganic thin films for solar photovoltaics	Prof. T. K. Chaudhuri (PI) /Dr. Anjana Kothari(Co-PI)	Solar Energy Research Initiatives (SERI), DST	Govt	KRADLE	2011	73	3	
14	Thermal conductivity of nanofluids: Potential application in Heat transfer devices	Dr. Kinnari Parekh (PI)	GUJCOST, Gujarat	Govt	KRADLE	2013	3.75	3	
15	Supramolecular hydrogels an efficient carrier for sustained/targeted delivery of biomedical polyoxometalates	Dr.Sachin Joshi (PI)	Fast Track Scheme - DST	Govt	KRADLE	2012	21.7	3	
16	Role of adipose in ethanol-induced tissue injury	Dr. Palash Mandal	SERB, DST, New Delhi	Govt	PDPIAS	2013	25	3	3
Consultancy Project									
17	Development of magnetorheological fluids for damper applications	Dr. R. V. Upadhyay	Industrial Metal Powders(I) Pvt.Ltd, Gat No-699/1, Koregaon Bhima, Behind Kalyani Forge, Tal-Shirur, Dist-Pune 412216	Industry	PDPIAS	2015	12	3	12