

COMPLETED SPONSORED PROJECTS, JIIT NOIDA								
S. No.	Principal Investigator	Co-Principal Investigator(Co-PI)/ Co-Investigator(Co-I)	Title	Funding Agency	Start Date	End Date	Grant Amount(In Lakhs)	Department
1	Prof. PammiGaub	Dr Shweta Dang	Validation of blood bag Delivery by Drones compared to conventional method of transportation.	ICMR	14th Feb 2023	31st August 2023	INR 11.28 Lakhs	Biotech
2	Prof. PammiGaub	Dr. Anupam K. Mangal	Evaluation of Heavy Metals Content in the Market Samples of Raw Drugs used in Ayurveda	Ministry of AYUSH	27-12-2017	27-06-2023	INR 41.06 Lakhs	Biotech
3	Dr Shweta Dang	Prof PammiGaub	Nose to brain delivery of surface-modified drug loaded PLGA nanoparticles for management of Trigeminal Neuralgia.	ICMR, Govt of India	1.08.2020	31.07.2023	INR 40.6 Lakhs	Biotech
4	Dr. Ashwani mathur	Prof. PammiGaub	Design and fabrication of amperometric enzyme sensors for the erection of parabens	Department of Biotechnology, GoI	09-07-2021	08-07-2023	INR 34.7 Lakhs	Biotech
5	Prof. R.K. Gupta (RLA college, DU)	Vibha Gupta (JIIT) AND Dr. Prerna Diwan (RLA college)	Targeting biofilm formation by inhibiting Cysteine biosynthesis pathway enzymes in ESKAPE pathogens with natural products.	ICMR	01-02-2021	31-01-2024	INR 42.3 Lakhs	Biotech
6	Dr. Ashwani Mathur	Prof. Pammi Gauba	Evaluation of the production strategies, nutritional value and therapeutic properties of probiotic Seabuckthorn juice	DST, GoI under India-Egypt Bilateral Research Grant	Feb-21	February 2023	INR 12.6 lakhs	Biotech
7	Dr. Garima Mathur	Prof. PammiGaub	Developing functional bacterial cellulose composites as immobilization matrix	Council of Science and Technology, UP	Nov-19	Nov-22	INR 6.8 Lakhs	Biotech
8	Prof. S Krishna Sundari	Prof. Sudha Srivastav	Application of customized PGPM based formulations for reclamation of soil permeated with Organophosphate pesticide residues.	DBT	2017	2022	INR 62.10 lakhs	Biotech
9	Prof. Vibha Rani	NA	Investigating microRNAs as the Next Generation Therapeutic Targets in Diabetic Cardiomyopathy.	SERB	2018	2022	INR 39 lakhs	Biotech
10	Prof. Indira P Sarethy	Dr. Hari Prasanna Deka-Boruah (CSIR-NEIST)	Potentially novel carbohydrases (cellulase and related enzymes) for waste management from cultivable bacteria and functional metagenomic library of Northeast India biodiversity hotspot	DBT	2017	2020	INR 22 lakhs	Biotech
11	Dr. Sanjay Gupta	Prof. Reema Gabrani	Identification of cellular targets of Chikungunya virus non-structural proteins	ICMR	2016	2019	INR 34.1 lakhs	Biotech
12	Prof. Vibha Gupta (JIIT)	Late Dr. Chittaranjan Rout (JUIT)	Development of glyoxylate and methyl- citrate cycles essential for persistence of Mycobacterium tuberculosis	ICMR	2015	2018	INR 33.7 lakhs	Biotech
13	Dr. S Krishna Sundari	NA	Biotechnological solution for attaining longer shelf life and portability of microbial inoculum	Trident GreenTechPvt. Ltd., Andhra Pradesh	2015	2016	INR 3.69 lakhs	Biotech
14	Prof. Sudha Srivastava	Prof. Vibha Gupta	Nanoparticles based amperometric biosensors for detection of thyroid	DST	2014	2017	INR 37.30 lakhs	Biotech

15	Prof Sujata Mohanty	NA	Studies on the Phylogenomics and Population Genomics of Indian Drosophila	DST	2014	2017	INR 34.01 lakhs	Biotech
16	Dr. Nidhi Gupta	Dr Sanjay Gupta	Development of a biocatalyst for the removal of nitrogen and sulphur from diesel.	DBT	2014	2016	INR 25.00 lakhs	Biotech
17	Dr. Sanjay Gupta	NA	Development for reagents for simple immunochemical tests for the detection of Chikungunya infection	DBT	2014	2017	INR 18.2 lakhs	Biotech
18	Prof. Shweta Dang	Prof. Reema Gabrani and Prof Javed Ali	Development and evaluation of green tea catechins based intravaginal nanoemulsion gel for the treatment of urinary tract infections Department of Biotechnology	DBT	2013	2016	INR 23.35 lakhs	Biotech
19	Prof.Vibha Gupta (JIIT)	Dr. Punit Kaur (AIIMS)	Structural Biology of Cyse from pathogenic organisms - Potential for rational drug design.	DBT	2013	2017	INR 42.9 lakhs	Biotech
20	Dr. Sanjay Gupta	NA	Purification of Chikungunya Virus nsP3 Protein for Peptide Based Inhibitor and Structural Studies	DBT	2013	2016	INR 69 lakhs	Biotech
21	Prof. S Krishna Sundari	NA	Ability of select PGPM strains to remediate organophosphate pesticides commonly applied in agriculture	DBT	2013	2015	INR 6.6 lakhs	Biotech
22	Dr. Nidhi Gupta	Dr. Sanjay Gupta/Dr. D.K. Adhikari (IIP, Dehradun).	Development of a biocatalyst for dearomatization of diesel	DBT	2013	2015	INR 24 lakhs	Biotech
23	Prof. Vibha Rani	NA	Stage Specific microRNAs profiling from developing chick embryonic heart	DBT	2012	2016	INR 42.4 lakhs	Biotech
24	Prof. Vibha Rani	NA	Effect of Curcumin on Cardiac hypertrophy.	DBT	2012	2016	INR 32.9 lakhs	Biotech
25	Prof. Vibha Rani	NA	Cardio-protective properties of Curcumin: Molecular Interaction of Cardiac Transcription Factors	DST	2012	2016	INR 19.9 lakhs	Biotech
26	Prof. S Krishna Sundari	NA	Screening of native microbes with tannase ability, production of tannase and gallic acid using alternate growth substrate.	DBT	2012	2015	INR 19 lakhs	Biotech
27	Prof. Shweta Dang	Dr Manisha Singh	Nanoparticle based Drug delivery system of some antiepileptic drugs for brain drug delivery through nasal route	DBT	2011	2014	INR 25 lakhs	Biotech
28	Prof. S Krishna Sundari	Dr. Reena Singh (TERI, New Delhi)	Formulation of Microbial Consortia with Parallel biofertilizer and biocontrol properties.	DBT	2010	2014	INR 57.39 (JIIT: 24.22) lakhs	Biotech
29	Dr. Sanjay Gupta	Prof. Reema Gabrani	Viral-viral and viral–host protein interaction in Chandipura virus	DST	2010	2013	INR 35.57 lakhs	Biotech
30	Prof. Sudha Srivastava	Dr. Nidhi Gupta	Designing a nanoparticle-based glucose biosensor.	AICTE	2009	2012	INR 8.4 lakhs	Biotech
31	Prof Rachana	NA	Scientific documentation and digitization of Indian medicine plants	NMPB Ayush	2008	2011	INR 7 lakhs	Biotech

32	Dr. Sanjay Gupta	Prof. Reema Gabrani	Mapping of interaction among Chikungunya proteins	DBT	2008	2012	INR 24.87 lakhs	Biotech
33	Dr Sanjeev Sharma	Dr. Sanjay Gupta	Upgradation of comparative and functional genomics lab.	AICTE	2008	2009	INR 7 lakhs	Biotech
34	Dr Sujata Mohanty	NA	Inferring the Origin, Population Structure and Demographic History of Drosophila malerkotliana with Population Genomic Approach.	DST	2007	2010	INR 7.44 lakhs	Biotech
35	PI : Dr. Mukesh Saraswat, JIIT, Noida	Co-PI: Dr. Harish Sharma, RTU, Kota Mr. Himanshu Mittal, JIIT, Noida Mr. Raju Pal, JIIT, Noida	Design and Development of a Cognitive System for Leukocytes Identification in Hematoxylin and Eosin (H & E) Stained Rat Skin Images	SERB- DST, India	2017-2020		INR 28.18 lakhs	CSE &IT
36	PI: Dr. Mukta Mani	NA	A Study on Financial Inclusion Initiatives and their Impact on Performance of Commercial Banks in Ghaziabad District	Indian Council of Social Science Research (ICSSR)	2018	2020	INR 5.5 lakhs	HSS
37	Prof. Anirban Pathak	NA	Theoretical study of single photon sources used in quantum computing	DST	2006	2009	INR 2.16 Lakhs	PMSE
38	Prof. Kailash Chandra Mathur	Prof. Rakesh Kumar Dwivedi	Modernisation of physics and material science & engineering Lab	AICTE-(MODROB)	2008	2011	INR 7 Lakhs	PMSE
39	Prof. Rakesh Kumar Dwivedi	NA	Investigations on multifunctional properties in substituted multiferroics	DRDO	2010	2012	INR 16.12 Lakhs	PMSE
40	Dr. Manoj Kumar	NA	Synthesis and study of structural, dielectric, magnetic and magnetoelectric properties of multiferroic materials	DST	2010	2014	INR 11.58 Lakhs	PMSE
41	Prof. Papia Chowdhury	NA	Bistability due to intr-amolecular and inter-molecular charge transfer in different environments	DST	2010	2014	INR 9.36 Lakhs	PMSE
42	Prof. Rakesh Kumar Dwivedi	NA	Investigations on multifunctional properties of alkaline earth and rare earth doped BFe _{1-x} Ti _x O ₃ solid solutions	DST	2011	2014	INR 51.31 Lakhs	PMSE
43	Prof. Anirban Pathak	NA	Theoretical studies of higher order nonclassicality and its applications	DST	2011	2014	INR 12.75 Lakhs	PMSE
44	Prof. Anirban Pathak	NA	Entangled and other nonclassical state and their applications in the field of quantum computation and communication	DST	2016	2019	INR 39.5 Lakhs	PMSE
45	Prof. Anirban Pathak	NA	Design and cryptanalysis of protocols of secure quantum communication	DRDO	2016	2019	INR 34.07 Lakhs	PMSE
46	Dr. Sandeep Chhoker	NA	Structurally manipulated stannate nanostructures for magnetic and optoelectronic applications	DST	2016	2019	INR 11 Lakhs	PMSE
47	Prof. Navneet Kumar Sharma	NA	Experimental investigations on surface plasmon resonance based fiber optic refractive index sensors	DRDO	2017	2020	INR 27.71 Lakhs	PMSE
48	Dr. Himanshu Pandey	NA	Investigation of novel heusler alloy thin films for energy and spintronic applications	SERB	2018	2021	INR 47.3 Lakhs	PMSE

49	Prof. Anirban Pathak	Prof. Papia Chowdhury	Design & analysis of the quantum cryptographic schemes that can be Implemented in the metropolitan cities using optical resources	DRDO	2019	2021	INR 40.91 Lakhs	PMSE
50	Prof. Anirban Pathak	NA	Partnership 2020: leveraging US-India cooperation in higher education to harness economic opportunities and innovation	University of Nebraska at Omaha	2020	45129	INR 10.49 Lakhs	PMSE
51	Dr. Hemant Kumar	2020-2022	Development of Tunable Self-Powered Quantum Dot Based Photodetectors Using Low-Cost Solution Processed Method	SERB- DST, India	Dec-20	Dec-23	INR 30.36 Lakhs	ECE