

BITS Pilani, K K Birla Goa campus**Department of Biological Sciences****Details of Research Projects in last 5 years**

Sr. No	Project name	Principal investigator	Funding agency	Amount (Lakhs)	Duration
1	Studies on putative GGEEF/Sensory box domain of Vibrio cholerae	Sumit Biswas	DST	21.8	2012-2015
2	Associatoin of chronic infection between S. typhi and Gall bladder Cancer	Vijayashree Nayak and Co-PI: Rajani Gaind	ICMR, New Delhi Aditya Birla Group	10	2012 - 2014
3	Tissue engineering of human placental stem cells into a functional pancreas	Anasuya Ganguly	DST	22.1	2012-2015
4	Studies on putative GGEEF/Sensory box domain of Vibrio cholerae	Sumit Biswas	DST	21.8	2012-2015
5	Setting up of pilot project at Hazira for biofixation of carbon dioxide and greenhouse gas abatement with microalgae	Srikanth Mutnuri	ONGC, New Delhi	6.32	2013
6	To establish COD(Cr) quality testing method for sea water	Srikanth Mutnuri	Hitachi India Pvt Ltd	32.79	2013-2014
7	Identification and characterization of abiotic stress responsive With No Lysine (WNK) kinase in rice (Oryzasativa L.)	Kundan Kumar	SERB	22.65	2013-2016

8	Cloning and characterization of the promoters of Staphylococcysaureus temperate bacteriophage, ϕ 11 .	Malabika Biswas	BRNS	24	2013-2016
9	Project Title: Protein-Ranking and Novel Intervention Strategies against Mycobacterium tuberculosis using Graph Theory and Bioinformatics Resources	Veeky Baths	DST	8.6	2013-2016
10	Analysis Of Metabolically Active Bacterial Species In Anaerobic Digesters	Srikanth Mutnuri	CSIR	17	2013-2016
11	Bio-Catalytic Production of a Commercial Textile Dye-Indigo	Srikanth Mutnuri	DSTE, Goa	5	2013-2016
12	Alternative splicing in signal transduction and diseases; a genome wide approach	Indrani Talukdar	DST SERB	20	2013- 2016
13	Role of environmental toxin in kidney related diseases in Canacona Taluk, Goa	Anasuya Ganguly	CSIR	10	2013-2016
14	Regulation of hypothalamic gonadotropin releasing hormone expression by putrescine	Arnab Banerjee	SERB	22.3	2014-2017
15	Microbial Diversity & Biotechnological Potentials of some Polar	Utpal Roy	DST-WOS	17.65	2014-2017
16	EMT regulation and TGF β cell signalling in gall bladder disease	Vijayashree Nayak	DST	37.6	2014-2017
17	Biotransformation of Phosphogypsum by sulphate reducing bacteria	Srikanth Mutnuri	DBT	5.8	2014-2015
18	Empowered septic tank as	Srikanth Mutnuri	DBT BIRAC	67	2014-2016

	decentralized wastewater treatment system		- Bill and Mellinda Gates foundation		
19	Purification & Characterization of Antimicrobial Compound with special reference to Candida albicans and Cryptococcus neoformans	Utpal Roy	DST	11	2015-2016
20	Study the effects of quinacrine (QC) on regulation of Rho like small-GTPase and apoptosis in human lung and breast cancer cell lines cultured in vitro	Angshuman Sarkar and Co PI: Indrani Talukdar	DBT	24.55 (Initial)	2015-2018
21	Home automation and smart wheel chair based on Electroencephalography (EEG) signals produced in brain	Veeky Baths	Cognitive Science Research Initiative DST	39	2015-2018
22	Studies on Anticoagulant and Platelet Aggregation Inhibitors from Indian Cobra Venoms.	Dibakar Chakrabarty and Co PI: Angshuman Sarkar	DBT	36.544	2014-17
23	Lanthanide doped hydroxyapatite based nano-materials for theranostics applications: Sensing, Imaging, and Therapeutics	Meenal Kowshik	DST Nanomission	39.65 lakhs	2015-2018
24	Studies on the gene regulation involved in the lytic-lysogenic switch in Staphylococcus aureus temperate bacteriophage Phi11	Malabika Biswas	DST SERB	20,46,453	2016-2019

25	"Development of PCDA-liposome based detection kit for Alzheimer's disease biomarker"	Malabika Biswas (As Co-PI)	DST-SERB	2663200	2017-2020
26	Network Partner of Indo French project on Grey Water Treatment	Srikanth Mutnuri	DST CEFIPRA		2016-2017
27	Developing Bioactive Compound-Enriched Functional Food Ingredients from Dillenia indica and valorization of its pomace	Srikanth Mutnuri	DBT North East	19,00,000	2016-2019
28	Pilot study, testing the use and production of Terra Preta and other soil improving products like Struvite / PROM	Srikanth Mutnuri	GIZ, New Delhi	57,00,000	2016-2017
29	Onsite electrochemical wastewater treatment and recycling technology	Srikanth Mutnuri	Bill & Melinda Gates foundation	27,00,000	2016-2017
30	Screening, Isolation and Identification of Novel Antimicrobial Compounds from Potential Mangroves of Goa	Kundan Kumar	CSIR	20,00,000	2016-2019
31	Study on the role of TIP family members in arsenite accumulation and their transport in rice	Kundan Kumar	BRNS	29,60,000	2017-2020
32	Studies on the effects of Russell's viper venom on cell morphology, apoptosis and further characterization of active compound(s)	Dibakar Chakrabarty and Co PI: Angshuman Sarkar	ICMR	29.8	2017-2020
33	Analytics Sensor Test-Kit for	Srikanth Mutnuri	Bill &	87,00,000	2017-2018

	Advanced Process Control		Melinda Gates foundation		
34	Demonstration of River Sal Cleaning by Vertical wetlands and River bed filtration	Srikanth Mutnuri	DBT	56,00,000	2017 - 2019