



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



DEPARTMENT OF BIOTECHNOLOGY

LIST OF PROJECTS APPLIED AND THEIR STATUS

Sl. No	Year	Funding Agency	Collaborating Institute	Project Title	Estimated Cost	Duration	Principal Investigator (PI)	CO-PI (s)	File No	Status
1	October 2018	UGC-SERO	-	Studies on enhancement of Secondary metabolites in in vitro through hairy roots and immobilized cell suspensions in medicinally important plant <i>Achyranthes aspera</i>	Rs 1,40,000/-		Dr G. Vijaya Laxmi			Completed
2	October 2019	(SPARC - MHRD)	IIT Indore and Curtin University	Algal bioremediation of municipal/ industrial effluent integrated with sustainable algal harvesting and bio-fertilizer production	Rs 48,00,000/-	2 years	Dr Kiran Bala	Dr Y. Rajasri	Proposal-Id : 1779	Rejected

3	November 2019	DST	University of Ruhuna, Sri Lanka	Sustainable closed loop biorefinery for bioremediation of landfill leachate with simultaneous microbial electrosynthesis of bio-based platform chemicals	Rs 40,00,400/-	3 years	Dr C. Nagendranatha Reddy	Dr Y. Rajasri and Dr Bishwambhar Mishra	TPN/42138	Under Processing
4	2020	TSCOST	-	A new approach for conversion of Plaster of Paris (POP) waste into agriculture nutritional product for reduced water pollution in Hussain Sagar Lake	Rs 5,00,000/-	1 year	Dr C. Obula Reddy	Dr Bishwambhar Mishra		Under Scrutiny/ NO UPDATE
5	March 2020	DST	CSIR-IICT and Szechenyi István University, Hungary	Production of biofuel and plant biostimulants from microalgae	Rs 53,90,000/-	3 years	Dr Y. Rajasri	Dr S. Venkata Mohan and A. Shalini	Temporary Registration No. : TPN / 47622	Rejected
6	January 2020	TSCOST	-	Design and development of a computational repository of alternate drugs and drug targets of Agriculture pathogens of Telangana	Rs 5,00,000/-	12 months	Dr PVPS Arun	-	-	Rejected
7	April 2020	DST-TARE	National Institute of Animal Biotechn	Immuno-informatics approach for large-scale combing of pathogenic bacterial genome ensemble for antigen discovery as a	NA	3 years	Dr PVPS Arun	Dr. Nagendra R. Hegde	File Number : TAR/2020 /000404	Rejected

			ology, Hyderabad	primer for reverse vaccinology in livestock production animals						
8	March 2020	SRG		Ascertainment of biological factors involved in chronic kidney disease of coastal Andhra Pradesh	Rs.26,36,8 00/-	2 years	Dr PVPS Arun		File Number : SRG/2020 /002166	Rejected
9	February 2020	DBT	Babasaheb Bhimrao Ambedkar University, Lucknow	SASPs pipeline: computing the system wide coordinates of host- pathogen interaction at its interface- [38982]	Rs 37,12,012/ -	3 years	Dr Yusuf Akhter	Dr PVPS Arun	NA	Rejected
10	February 2021	DST- SERB (SRG)	-	Development of Energy Efficient Membrane Photo bioreactors for the production of functional ingredients	Rs 26, 48,200/-	2 years	Dr Y. Rajasri		Ref No: 42202100 0880	Rejected
11	May 2022	CRG		Nutrient recovery and energy production from industrial wastewaters using Microbial electrochemical technologies (METs) in a biorefinery approach	Rs 34,16,000/ -	3 years	Dr C. Nagendrana tha Reddy	Dr Y. Rajasri and Dr Bishwambhar Mishra	CRG/2022 /009223	Rejected
12	May 2022	CRG		Fabrication of active food packing system with biosynthesized pullulan and selected plant extract	Rs 25,20,000/ -	3 years	Dr Bishwambhar Mishra	Dr Y. Rajasri and Dr C. Nagendranat ha Reddy	CRG/2022 /007081	Under evaluation

13	April 2022	CRG	Annamalai University, Chennai	Decoding the potential applications of HUASB reactor for simultaneous wastewater treatment and generate syngas to enhance the yield of BioABE Production using mutant strain of Clostridium beijerinckii	Rs 59,82,240/-	3 years	Dr Dharmalingam, Dr Ann Suji	Mullai P, Shansuganthi, Dr Dharmalingam	CRG/2022/006936	Under evaluation
14	May 2022	CRG	-	Curcumin and ethylene vinyl acetate-based nanocomposite coatings for prevention of Restenosis	Rs 52,33,360/-	3 years	Dr C. Obula Reddy	Dr Kiran Vajanthri	CRG/2022/007129/BHS	Under evaluation
15	May 2022	CRG	-	Metagenomic analysis for microbial consortium and nanoenhanced bioremediation of polycyclic aromatic hydrocarbons (PAHs)	Rs 27,66,600/-	30 months	Dr B. Sumithra	Dr Sanjeeb Kumar Mandal	CRG/2022/009274	Declined/ Request to convert to POWER GRANT
16	February 2022	Startup research grant (SRG)	-	Unveiling the applications of CMC polymer and grapefruit seed extract based polymeric nano micelles as a potential multicomponent delivery vehicle	Rs 26,76,520/-	2 years	Dr Dharmalingam K		SRG/2022/000187	Rejected
17	29 September 2022	SERB-POWER grant	-	A Promising Approach for Production of Functional Ingredients by Membrane Photo Bioreactors for Improving Women Health	Rs. 27,75,194/-	3 years	Dr Rajasri Y	-	SPG/2022/000348	Under consideration

18	08 October 2022	UGC- Dr. D.S. Kothari research grant	-	Potential power of grapefruit seed extract based polymeric nano- micelles for cargo delivery	Rs 8,85,500	2 years	Dr Dharmaling am K	-	UGCES- 22-GE- TAM-M- NRF- 15327	Under considerati on
19	08 October 2022	UGC- Dr. D.S. Kothari research grant	-	Development of Carboxy Methyl Cellulose-Hydroxy Propyl Methyl Cellulose and Zinc oxide-based Nanocomposite Hydrogels with essential oils for burn wound management	Rs. 9,66,000/-	2 years	Dr. Kiran Yellappa Vajanthri	-	UGCES- 22-SC- TEL-M- NRF- 12990	Under considerati on
20	30 November 2022	BIRAC- PACE	Neonflak es, Hyderaba d	Design and development of microalgal photobioreactor for integrated wastewater treatment and biofertilizer production	Rs. 49,12,000/ -	2 years	Dr Y. Rajasri	Dr Nagendranat ha Reddy & Dr Ayyappa Nagubandi	BT/TEMP 8858/PAC E-28/22	Under considerati on
21	05 March 2021	AICTE- SPICES	-	Chaitanya Samskruthi	Rs 2,00,000/-	1 yr	Dr Bishwambh ar Mishra	Dr Jagannadha Rao & Dr Bishwambhar Mishra	10- 221/AICT E/IDC/SPI CES/2020 -21	SANCTIO NED