BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

YELAHANKA BENGALURU – 560 064

Research Projects - Completed

Date: 29.02.2024

Sl. No.	Name of the PI/Co-PI	Department	Title of the Project	Sponsoring agency	Amount in lakhs	Year of sanction
1	Mr. Praveen Kumar T N (Co-PI)	ME	Development and comprehensive characterization of Aluminum Ceramic-Micro-Sphere foamed composite	VTU Research Grants Scheme	6.00	2011-2016
2	Mrs. Suma Umesh (PI)	EEE	Simulation of micro gas sensor for the detection of SF6 leakage and its constituent gases under partial discharge gas insulated switchgear (GIS) system	Naval Research Board (NRB)- DRDO	5.25	2014-2018
3	Dr. C. Kavitha (PI)	Chemistry	Graphene/Graphene oxide-Nano particles hybrid structures for SERS based optical sensors.	DST-SERB	31.98	2014-2017
4	Dr. Karabi Sikdar (PI)	Mathematics	Study and development of computational methods on finite buffer discrete time queues with N threshold policy	DST-SERB	9.38	2014-2018
5	Dr. Dhananjaya. N (PI)	Physics	Novel Photo synthesis, structural and luminescence properties of rare earth activated nano-oxyhalides for display and dosimetric applications	VGST-SMYSR	4.00	2014-2016
6	Dr. Dhananjaya. N (PI)	Physics	Plant latex mediated green combustion synthesis of rare earth doped nano aluminates: study of structural and luminescent properties	DST-SERB	21.70	2015-2019
7	Dr. C. Kavitha (PI)	Physics	Graphene oxide/plasmonic hybrid nanocomposites for versatile surface enhanced raman spectroscopy (SERS) based multi analyte detection sensors	VGST-SMYSR	5.00	2018-2020

8	Dr. Ramakrishnappa (Co-PI)	Chemistry	Tailoring of multi-response sensors for environmentally/biologically significant species	VTU-TEQIP- competitive research grant	1.50	2019-2020
9	Dr. Daruka Prasad (Co-PI)	Physics	Hybrid Ferrite Nanocomposites with Enhanced Visible light Photocatalytic Performance for next Generation of Clean Energy System	VTU-TEQIP- competitive research grant	1.50	2019-2020
10	Dr. Daruka Prasad (PI)	Physics	Zinc oxide Nanocomposites preparation using modified sono chemical method suitable for solar cells and battery applications	VGST-RFTT	5.00	30-01-2018 2017-23
11	Dr Jyoti Roy Choudhuri (PI)	Chemistry	Application of substitutionally doped graphyne, graphdiyne and penta-graphene nanomaterials in Lithium-ion battery: An ab initio study	DST-TARE	18.30	14-03-2019 2019-23
12	Dr. Jyoti Roy Choudhuri (Co-PI)	Chemistry	New 2-D carbon-based anode materials in Na-ion battery: Effects of heteroatom doping on Na storage capacity, charge mobility and open circuit voltage via ab initio simulation study	DST-CRG	5.00	29-01-2020 2020-23
-				**Total INR (Lakhs)**	**114.61**	-

Discontinued:

Sl. No.	Name of the PI/Co-PI	Department	Title of the Project	Sponsoring agency	Amount in lakhs	Year of sanction
1	Dr. Kiran M.D (PI) (Dr. Sangamesh)	ME	Infrastructure development for synthesis and fabrication of lead-free piezoelectric materials and it's devices	VGST-K-FIST(L1)	15.00	19-02-2021 2020-21