

Details of Ongoing Research Projects of Faculty

Sl. No	Name of the Investigator	Title of the project	Funding Agency
1	Center for Emerging Technologies	FIST (DST)	DST
2	Dr. Narendra Reddy	Developing High Value Biopolymeric Materials for the Food, Fiber, Biofuel, Composites, Medical and Automative Industries Using Indigenous Renewable Resources	DBT
3	Dr. Ravikumar K	Establishment of food technology programme	MOFPI
4	Dr. Bhaskar Dixit	A solar pump test facility	UL
5	Dr. K Ramanarasimha	Design and development of a Robotic Fish	DRDO- NRB
6	Dr. C B Mohan	Design and Development of a transitioning VTOL MiCAV	DRDO
7	Dr. Bhaskar Dixit	Regulatory Open Pool fire testing of transportation casks for radio-active material	BARC, Mumbai
8	Dr. Sandeep Shastri	Emergence of the states as the Centre of Indian Politics: Implications for Indian Federalism	ICSSR
9	Dr. Kathyayini H	Development of Super capacitors for MiCAV applications using Nanomaterials	DRDO-DST NPMICAV
10	Dr. Geetha Balakrishna	Exploitation of Unique Properties of Quantum Dots for Efficient Energy Harvesting in Solar Cells, 2011	Ministry of new and renewable energy, India
11	Dr. Ravikumar K	Development of a Nano-Bio Sensor for the ammonia detection for use in Micro-Aerial Vehicle	DRDO-DST NPMICAV
12	Dr. K G L Bhat	Development of Bio-Fuel Cell test bed and prototype for MiCAV applications	DRDO-DST NPMICAV
13	Dr. B L Dhananjaya	Biodiversity Informatics and Technology Exchange for Snakebite Management	EU-FP7
14	Dr. Varalakshmi K N	Potential of selected microbial pigments as cancer therapeutics: an evaluation on human cancer cell lines	DST SERB
15	PI: Dr. Padmavathi T Co-I: Dr. Usha M.S.	Studies of interaction of plant growth promoting rhizobacteria (PGPR) and arbuscularmycorrhizal fungi (AMF) on Lycopersiconesculentum and Capsicum annum plants	DST – SERB
16	Dr. Krishna Venkatesh	Development of low cost reusable MiCAV	DRDO-DST
17	Dr. B L Dhananjaya	Proteomic and transcriptomic profile of hemotoxic snakes: Implementation in development of effective, safe and feasible Anti- venom	DST



18	Dr. Kathyayini H	Development of CNT and mesoporous carbon supported catalysts for the synthesis of fine chemicals via amidation & hydrogenation reactions	DST
19	Dr. MahaveerKurkuri	Design and Fabrication of Disposable Devices for Quantitative Detection of Fluoride in Field Studies, 2015	DST
20	Dr. Mahesh S Padaki	Preparation and characterization of GO induced thin film, 2014	DST
21	Dr. Choodamani Nandagopal	Changing Dynamics of the Suburbs in the process of Urban Transformation with reference to the changing Socio-Economic Scenario of Bangalore City'-2013	ICSSR
22	Dr. Nagaraja B M	Production of hydrogen through the coupling of dehydrogenation of Ethylbenzene and hydrogenation of Nitrobenzene for the synthesis of Styrene and Aniline over different promoters supported on basic oxide catalysts	DST
23	Dr. Sandeep Shastri Dr. Manisha Madhava Dr. Shailaja Shastri	Determining Quality Parameters in Higher Education	ICSSR
24	Dr. Kathyayini H	Studies on Transition Metal-Oxides Anchored to Multiwall Carbon Nanotubes as Hybrid Supercapacitors	DRDO
25	Dr. K. Gopala Krishna	Design and Development of an Autonomous Amphibian Vehicle for Harbor Security Operations	DRDO-NRB
26	Dr. Geetha Balakrishna	Development of new nano filtration membranes for desalination and brackish water, 2013	Ministry of drinking water, India
27	Dr Ravikumar K	Theraupeutic enzymes from microbial sources: Production improvement and studies on their human serum albumin nanocomplexes.	SERB-DST
28	K. G. Basavakumar	Evaluation and Optimization of Machinability and Surface Characteristics of Al-Si- Cu Alloys for Naval Applications	DRDO- NRB
29	Dr. Geetha Balakrishna	"Property tailoring in Titania through the integration of Nitrogen and Fluorine for a feasible water Disinfection Process"	DST
30	Dr. Amit Kumar	The development of novel metal therapeutic compounds, 2012	DST
31	Dr. Krishna Venkatesh	Feasibility studies on development of surface integrity and strength	DOS - ISRO



		characteristics of rapid prototyped components to enable their direct application in design and development activities of pay load for space craft	
32	Dr. M S Santhosh	Exploring the Dynamics of Pancreatic Peptide- Membrane Interactions through Nano-Scale Imaging: Implications on type II Diabetes mellitus	DST
33	Dr. A V Raghu	Effect of electron beam irradiation on polymeric composite membranes for pervaporation separation application	DAE-BRNS
34	Dr. Geetha Balakrishna	Synthesis and development of fluorimetric / colorimetric probes for the determination of Cu, Fe and Zn in blood serum and cell lines, 2012	Board of Research in Nuclear Sciences
35	Dr Narendra Reddy	Developing Inexpensive, disposable and biodegradable food container using agricultural wastes	MOFPI
36	Dr Geetha Balakrishna	Preparation of an antifouling membrane by wet chemical methods and its performance study for filtration applications	NRB
37	Dr. Raju	IRNSS	ISRO
38	Dr. Ashok Kumar	Structural Damage Mitigation	AR&DB
39	Dr. Narendra Reddy	Developing a Biodegradable and Inexpensive Mask for Filtering Particulate Matter in the Environment	VGSTSMYSR
40	Dr. Meenakshi H N	Compatibility Pongamiapinnata biodiesel and its diesel blends on Elastomeric Materials	VGSTSMYSR
41	Dr. Rajani Jairam, Ms. Geetha Madhusudan, Dr. Pranesh, Dr. Natesh	Translation of Classics – Sanskrit Literature	ABHINAVA
42	Dr. Manisha Madhava	Social Bases of State Parties	ICSSR
43	Dr. Choodamani Nandagopal	Symbolism of Sacred space in early Dravidian architecture-2013	ICHR
44	Narendra Reddy, Naganand G. N, Geetha Priya M, Meenakshi H N, Anantha Prasad	Identifying Unique Properties of Proteins in non-edible oil meals	KSCST
45	Dr. Meenakshi H N, Dr. Anantha Prasad	Production of Fatty Acid Methyl Ester from nonedible Oilseeds using different techniques- A comparison	KSCST
46	Dr M G Anthaprasad	Design and Fabrication of Automatic Banana Peeling and Slicing Machine	KSCST
47	K Rama Narasimha	Experimental Investigations on Multi Turn Oscillating Heat Pipe	KSCST
48	Mr. Umesh P	The Smart translator for Old Kannada	KSCST