

Research Projects

3.1.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided	Duration of the project
A Comparative Systems Biology Approach for Understanding Desiccation Tolerance in Forage Grasses and <i>Selaginella</i> sps Funding agency: CEFIPRA	Dr. R.G. Sharathchandra	Department of Studies and Research in Environmental Science	2015-2016	63.40 Lakhs	3 years
“Status of Domestic Workers in Tumkur City with special reference to Dalit women” Funding agency: Dr.B R Ambedkar Study Center, Tumkur University	Smt. Dakshayani G	Department of English	2015-16 (3 Months)	0.60 Lakhs	3 months
“Health Seeking Behaviour Among Slum Dwellers in Tumkur City” Funding agency: Dr.B R Ambedkar Study Center, Tumkur University	Dr. Krishna	Department of Biotechnology	2015-16 (3 Months)	0.60 Lakhs	3 months

3.1.3 Average number of research projects per teacher funded by government and non-government agencies during the last five years

Name of Principal Investigator	Duration of project	Name of the research project	Amount / Fund Received (Rs)	Name of funding agency	Year of sanction	Department of recipient
Dr. J. Malleshappa	2 Years	Low Temperature Synthesis and Luminescent properties of Rare earth doped Silicate Nanophosphors and their applications in dosimetry.	1.75 Lakhs	UGC	2012-2013	Physics
Dr. Aruna Kumar D B	3 Years	“Conventional and Solvent free syntheses of pharmacologically important furan and its derivatives”	15.68 Lakhs	DST FAST TRACK	2012-2013	Chemistry
Dr. Vijayakumar G. R.	3 Years	Design, synthesis, characterization and evaluation of anticancer activities of novel barbiturates containing substituted amine derivatives	25.02 Lakhs	DST-SERB	2012-2013	Chemistry
Dr. Raghavendra Kumar P	3 Years	Design, Synthesis and Coordination Chemistry of New Chiral, Hemilabile Ligands.	36.05 Lakhs	DST-SERB	2012-13	Chemistry
Dr. B. Jayashankar	2 Years	Synthesis of new generics of API to study the disease modifying ability	1.2 lakhs	UGC	2012-2013	Chemistry
T N Ramesh	2 Years	Colloidal suspension of layered double hydroxide-an antimicrobial action study	1.4 Lakhs	UGC	2012-13	Chemistry
Dr Shivananda M K	2 Years	Synthesis characterization, Non-linear optical properties and biological screening of some novel	1.3 Lakhs	UGC	2012-2013	Chemistry

		arylfuranylpropenones				
Sri Venkateshappa G	2 Years	Synthesis of 1(4-chloro)phenyl, 1 imidazole acetyl-imidazolides	0.99 lakhs	UGC	2012-2013	Chemistry
Dr. Suchetan P A	2 Years	Synthesis, Structural and biological activity studies of some sulfonobenzamides.	1.45 Lakhs	UGC	2012-13	Chemistry
Dr. Nirmala B	2 Years	Aluminophosphate and silicate zeolites synthesized by microwave assisted insitu-crystallization	1.40 lakhs	UGC	2012-13	Chemistry
Dr. Raghavendra Kumar P	2 Years	Palladium Nanoparticles (Pd NPs) Protected by Lignin: Synthesis, Characterization and Applications for C-C Coupling Reactions in Organic Synthesis	1.50 Lakhs	UGC	2012-13	Chemistry
Dr. D Suresh	2 Years	Ligand interactions of select papavaraceae alkaloids with serum albumin	1.30 Lakhs	UGC	2012-13	Chemistry
Smt. Bhagyalakshmi.M	2 Years	Estimation of total phenolic content in leaves of two sps.moringa olifera and m.concannis	1.15 lakhs	UGC	2012-13	Biochemistry
Smt. Savitha K.R.	2 Years	Isolation of Fungal enzymes involved in Bioremediation of Rice industry wastes	1.50 Lakhs	UGC	2012-13	Biochemistry
Sri Manjunatha D	2 Years	An Efficient Approach to Protocols for Wireless Sensor Networks	1.90 Lakhs	UGC	2012-13	Electronics

Mrs. Shabeena Anjum K.S	2 Years	Microbial production of xylanase using regional agrowastes	2.0 Lakhs	UGC	2012-2013	Microbiology
Dr. Asiya Nuzhat F.B.	2 Years	Effect of Dietary supplement on the food utilization in the silk worm <i>Bombyx mori</i> .L.	0.85 Lakhs	UGC	2012-13	Zoology
Dr. RG Sharathchandra	2 Years	Biomining and functional diversity characterization of lignocellulose degrading entophytes from the litter wood deteriorating zones of western ghats	2.0 Lakhs	UGC	2012-13	Environmental Science
Jyothi	2 Years	Problems faced by English Teachers in Teaching English to Graduate Students in Tumkur District	0.95Lakhs	UGC	2012-13	English
Dr. G Ramakrishna	2 Years	Influence of sensitizers, codopants on rare earth doped yttrium silicate nanophosphors for luminescence applications	2 Lakhs	UGC	2013-14	Physics
Dr. B S Palakshamurthy	2 Years	Synthesis, characterization, X-ray diffraction and DFT analysis of some coumarin based nematic Liquid Crystals (LCs)	0.8 Lakhs	UGC	2013-14	Physics
Veerabhadrayya M	2 Years	Study of conduction mechanism in SeTe M (M= Zn, In and Sb) glassy alloys.	1.38 Lakhs	UGC	2013-2014	Physics
Narayan Gaonkar	2 Years	Some Physical Properties of Biodiesel	1.05 Lakh	UGC	2013-2014	Physics
Harish Kumar K	2 Years	Preparation of SnO ₂ thin film by	1.35 Lakhs	UGC	2013-2014	Physics

		spray pyrolysis method and its application for the detection of UV radiation.				
Dr. Sri Shet Prakash M	2 Years	Synthesis of new analogues from Cahew Nut shell liquid and Study of their Biological Properties	1.0 Lakh	UGC	2013-14	Chemistry
Smt. Madavi Sunitha	2 Years	Effect of water soluble carbon nanotube in the growth rate of wheat (<i>triticum aestivum</i>)	1.65 Lakhs	UGC	2013-2014	Chemistry
Smt. Ramani R	2 Years	‘Automatic Segmentation of MR Images of the Developing Newborn Brain’	1.30 Lakhs	UGC	2013-14	Computer Science
Smt. Kusuma Kumari B.M	2 Years	Facial Recognition Implementation and its Security Issues	1.35 Lakhs	UGC	2013-14	Computer Science
Smt. Shwetha D	2 Years	Proposal of Novel Connection Admission Control and Scheduling Algorithms for QoS Enhancement in WiMAX	1.45 Lakhs	UGC	2013-14	Electronics
Smt. Ravikala K L	2 Years	Pollen Sterility In Tuberose- A Case Study	1.65 Lakhs	UGC	2013 - 14	Botany
Dwarakanath V	2 Years	Biodegradation of vegetable oil and grease effluents in oil industries in Tumkur industrial area	0.70 Lakhs	UGC	2013-14	Biotechnology
Dr. Poornima D	2 Years	<i>In vitro</i> production and characterization of Bioactive compounds from the leaf calli of <i>Adenocalymma allicea</i> Miser.	1.0 Lakh	UGC	2013-2014	Biotechnology

Dr. Krishna	2 Years	“A Study on Alcohol Production from <i>Solanum nigrum</i> L. Fruits”	1.95 Lakhs	UGC	2013-2014	Biotechnology
Dr. Rashmi Hosamani	2 Years	Isolation, molecular identification and characterization of L-asparaginase an anti-cancer agent from fungal isolates of marine sediments.	2.0 Lakhs	UGC	2013-14	Microbiology
Smt. Rajalaxmi A. Govanakoppa	2 Years	Application of E-governance tools in library and Information centers of Bangalore city : A study	1.15 Lakhs	UGC	2013 - 2014	Library and Information Center
Dr. Raja Naika H	3 Years	Photochemical investigation and antiviral properties of some potential medicinal plants by proteomic approaches	14.60 Lakhs	UGC	2013-14	Environmental science
Dr. Geeta Vasant	2 Years	Impact of Avadhoota Traditions on Karnataka culture and Literature	5.19 Lakhs	UGC	2013-2014	Kannada
Dr. Raghavendra Kumar P	3 Years	Heterogeneous magnetically separable nano-catalysts: Synthesis and applications of Pd(II) and Ru(II) complexes in organic Synthesis	8.5 Lakhs 4.5 Lakhs (Total 15.00 Lakhs)	CSIR	2013-14 2014-15	Chemistry
Dr. T N Ramesh	3 years	Development of porous materials for electrocatalytic and electrochemical charge storage systems	4.37 lakhs	CSIR	2013-2014	Chemistry
Dr. Raghavendra Kumar P	3 Years	Molecular Engineering of New Hybrid Organic-Inorganic	37.0 Lakhs	DST-	2014-15	Chemistry

		Sensitizers for Applications in Dye Sensitized Solar Cells	- 12.5 Lakhs (Total 51.50 Lakhs)	SERB	- 2016-17	
Dr. T N Ramesh	3 Years	Design and synthesis of polyanionic frame work materials for lithium and sodium batteries	24.28 lakhs	DST	2014-2015	Chemistry
Dr. S. Sreenivasa	3 Years	Conventional And Microwave Assisted Synthesis of Pharmacologically Important Triazoles and its Derivatives	8.65 Lakhs 1.68 Lakhs (Total sanctioned 12.58 Lakhs)	UGC-MRP	2015-2016 2016-17	Chemistry
Dr. Palakshamurthy	3 Years	Synthesis and characterization of a few display and photovoltaic materials	10 Lakhs 10 Lakhs 10 Lakhs	VGST	2014-15 2015-16 2016-17	Physics