

### 3.1.3 Number of departments having research projects funded by government and non-government agencies during the year 2023-2024

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co- Investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government /non- Government)
Inter and Intra - Plant cues between <i>Ocimum</i> sp. And <i>Coelus</i> sp. through volatile organic compound and electric signalling	Dr Radha Dayanidhi (PI) and Dr Naveen Kumar (Co-PI)	Biotechnology and Genetics	April 2024	1,58,000	1 year	Seed Money Funding - MSRCASC In House	Non-Government
Evaluation of acetylcholine esterase inhibitory activity from fungal metabolites	Dr Vijayalakshmi T N (PI) and Dr Ramakrishnaiah TN, Dr Jayashree D R, Dr Savitha J (Co-PI)	Biotechnology and Genetics	April 2024	3,20,000	3 year	Seed Money Funding - MSRCASC In House	Non-Government
Development and evaluation of Novel curcumin analogues as anti-cancer agents	Dr. Hareesh Kumar P and Dr. Sowbhagya R (Co-PI)	Biotechnology and Genetics	April 2024	6,500	6 months	KSCST (Karnataka State Council for Science and Technology)	Government
Effect of transresveratrol in attenuating dedifferentiation hypoxia induced MCF7 breast cancer cell lines	Dr. Vasanth Kumar Bhaskar and Dr. Sowbhagya R (Co-PI)	Biotechnology and Genetics	April 2024	5,15,000	2 years	Seed Money Funding - MSRCASC In House	Non-Government

Formulation And Evaluation of Saponin Based Bio-Detergent with Immobilized Enzyme as A Detergent Additive	Ms. Tanisha Rathore	Biochemistry	April 2024	7,000/-	6 months	KSCST (Karnataka State Council for Science and Technology)	Government
Fabrication of Green Nano-Carbon Quantum Dots for The Development of On-Off-On Fluorescent Sensor for The Detection of Heavy Metals in Water	Dr. Smrithi S.P. and Dr. Bharath K. Devendra	Chemistry	April 2024	5,500/-	6 months	KSCST (Karnataka State Council for Science and Technology)	Government
Exploring The Catalytic Potential of Pd <sub>2</sub> Sn Compounds for Electrochemical Hydrogen Evolution Reaction	Dr. Ashly P.C.	Chemistry	April 2024	7,000/-	6 months	KSCST (Karnataka State Council for Science and Technology)	Government
Revolutionizing Hair Care: Creating Eco Friendly Protein Shampoo and Conditioner from Repurposed Cooking Oil to Combat Hair Fall and Enhance Smoothness	Dr. Shashidhar Bharadwaj and Prof. Dhanashri Vaishali	Organic Chemistry	April 2024	6,500/-	6 months	KSCST (Karnataka State Council for Science and Technology)	Government
Rapid detection of cucurbit aphid-borne yellows virus (CABYV) in cucurbits	Dr. Suveditha S.	Biochemistry	April 2024	4,95,000/-	1.5 years	Seed money grant from GEF(Gokula Education Foundation)- M.S. Ramaiah Colleges	Non-Government

Development of metalloproteien nanopracticle hybrid-based sensor for the highly sensitive detection of bilirubin	Dr. S. Nandini	Biochemistry	April 2024	4,30,000	2 Years	Seed money grant from GEF(Gokula Education Foundation)- M.S. Ramaiah Colleges	Non-Government
An investigation on the implementation of carbon biodots as a sustainable nano fertilizer	Dr. Smrithi S.P.	Chemistry	April 2024	1,00,000/-	1 year	Seed money grant from GEF(Gokula Education Foundation)- M.S. Ramaiah Colleges	Non-Government
An ultrafiltration sulfonated nanocomposite membrane for dairy water treatment	Dr Panchami H.R.	Chemistry	April 2024	4,30,000/-	2 years	Seed money grant from GEF(Gokula Education Foundation)- M.S. Ramaiah Colleges	Non-Government
Coffee Leaf Compost as a consortium in spent coffee grounds (SCG) as araw material in vermicompost using Eudrillus euginea and the assay of compost for microbial catalase and protease	Principal Investigator- Dr Prasanna Srinivas; Co-PI- Dr NImita Venugopal C	Microbiology	April 2023	6,000/-	6 months	KSCST (Karnataka State Council for Science and Technology)	Government
Prototype of mycelium-based material-A prospective packaging material	Guides: Prof. Pushpa H and Prof. Savitha J.	Microbiology	April 2024	6,500/-	6 months	KSCST (Karnataka State Council for Science and Technology)	Government

A comparative study of fruit waste compost and parthenium weed waste compost as a vermiculture of Eudrillus euginea and the efficacy of vermicompost as an application on vegetable crops - An approach of market waste management and weed management.	Principal Investigator- Dr Prasanna Srinivas; Co-PI- Dr Nimita Venugopal C	Microbiology	April 2024	5,500/-	6 months	KSCST (Karnataka State Council for Science and Technology)	Government
Development of durable, biodegradable and sustainable materials with fungal mycelium immobilized on agricultural wastes.	Dr. Pushpa H, Prof. Savitha J Dr. Vishal M	Microbiology	April 2024	2,45,000/-	1 year	Seed Money Grant	Non-Government
Evaluation of plant extracts against dental cariogenic bacteria	Dr. Vishal M, Dr. Prashanti Rajaram, Dr. Prashit Kekuda TR	Microbiology	April 2024	2,80,000/-	2 years	Seed Money Grant	Non-Government
Screening and identification of potential endophytes from medicinal plants for bioactive compounds	Dr. Vidya Jagadeeshan, Dr. Vemula Vani	Microbiology	April 2024	3,00,000/-	2 years	Seed Money Grant	Non-Government
Hybrid Wavelet based segmentation technique for marking Region Of Interest in Diabetic Foot Ulcer image.	Mrs. Asharani.R, Dr. Naveen Kumar R, Ms. Nesara K R	Electronics	April 2024	1,00,000	1 year	Seed Money Grant	Non-Government

Issues and prospects of forensic accounting	Mr. Shankar Guddad	Commerce	April 2024	72,500	1.5 years	Seed Money Grant	Non-Government
Exploria tap the untapped areas	Dr.Shaista & Mr.Mohammed Azhar Hussain	MBA	April 2024	4,000/-	6 months	KSCST (Karnataka State Council for Science and Technology)	Government
Unified Patient Medical History Database - Upmhd	Dr.Shaista & S Mrs.Vijalakshmi	MBA	April 2024	5,000/-	6 months	KSCST (Karnataka State Council for Science and Technology)	Government

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