

NEWSLETTER

JANUARY-APRIL 2024



The Department of Chemistry & Biochemistry started with a UG Chemistry course at M.S Ramaiah College of Arts, Science, and Commerce in 1994. Currently, the department offers UG and PG programs in both Chemistry & Biochemistry disciplines. The department is represented by a strong team of teaching fraternities that are highly qualified and experienced. College holds the top rank of 38/197 colleges in India (Science Category); 5th in Karnataka (Science).

STUDENTS ACHIEVEMENTS

- Ms. Keerthana K, Yashaswini K S, Chandhana A, and Amrutha Rangashree of MSc Biochemistry presented an Oral presentation at the International Conference on Transdisciplinary Research in Life Sciences: Perspectives and Prospects, organized by Kristu Jayanti College on 22nd and 23rd February, 2024.
- Ms. Shilaja Ananda Kumar bagged second prize in Idea Presentation with the title Revolutionizing Sustainability of Green Electricity Production using microbial fuel cells at Bengaluru Eco Summit 2024, organized by Haritvam, Yuvaka Sangha in association with Centre for Sustainable Technologies and Student Council, IISc on 22nd and 23rd March 2024 at Satish Dhawan Auditorium, IISc, Bengaluru.



FACULTY ACHIEVEMENTS

- Dr. Panchami H.R. (PI), Mrs. Malini M.R. (Co-PI), and Dr. Smrithi S.P. (Co-PI) received a seed money grant of Rs. 4,30,000/- for the project "An ultrafiltration sulfonated nanocomposite membrane for dairy water treatment".
- Dr. Smrithi S.P. (PI) and Ms. Tanisha Rathore (Co-PI) received a seed money grant of Rs.1,00,000/- for the project "An investigation on the implementation of carbon biodots as a sustainable nanofertilizer".
- Dr. S. Nandini (PI), Dr. Bharath K. Devendra (Co-PI) and Dr. Surendra A.S. (Co-PI) received a seed money grant of Rs. 4,30,000/- for the project "Development of metalloprotein nanoparticle hybrid based sensor for the highly sensitive detection of bilirubin".
- Dr. Suveditha S. (PI), Dr. Ashly P.C. (Co-PI) and Dr. M. Krishna Reddy (Co-PI) received a seed money grant of Rs. 4,95,000/- for the project "Rapid detection of cucurbit aphid-borne yellows virus (CABVY) in cucurbits".
- Dr. Vasanth Kumar Bhaskara (PI), Dr. S. Nandini (Co-PI), and Dr. Sowbhagya R. (Co-PI) received a seed money grant of Rs. 5,15,000/- for the project "Effect of trans-resveratrol in attenuating de-differentiation of hypoxia-induced MDA-MB-231 triple-negative breast cancer cell lines".
- Dr. Hareesh Kumar P and Dr. Sowbhagya R received KSCST-SPP for the project "Development and evaluation of novel curcumin analogs as anticancer agents".
- Dr. Shashidhar Bharadwaj and Prof. Dhanashri Vaishali received KSCST-SPP for the project "Revolutionizing Hair Care: Creating Eco-Friendly Protein Shampoo and Conditioner from Repurposed Cooking Oil to Combat Hair Fall and Enhance Smoothness".
- Dr. Ashly P.C received KSCST-SPP for the project "Exploring The Catalytic Potential of Pd2Sn Compounds for Electrochemical Hydrogen Evolution Reaction".
- Dr. Smrithi S.P. and Dr. Bharath K. Devendra received KSCST-SPP for the project "Fabrication of Green Nano-Carbon Quantum Dots for The Development of On-Off-On Fluorescent Sensor for The Detection of Heavy Metals in Water".
- Ms. Tanisha Rathore received KSCST-SPP for the project "Formulation And Evaluation of Saponin-Based Bio-Detergent with Immobilized Enzyme as A Detergent Additive".
- Dr. Hareesh Kumar published a research article, "Unravelling the Potential of Curcumin in Cancer Treatment: A Comprehensive Exploration," in the International Journal of Science and Research (IJSR) Journal.
- MS Ramaiah College of Arts, Science, and Commerce has signed a MoU to conduct a certificate training program in Sterile Manufacturing (SMF). The first batch of the SMF training started with orientation on 19th January 2024. Dr. Vasanth K Bhaskara (Coordinator) has attended the kick-off meeting at Biocon Academy. Dr. Vasanth K Bhaskara and Dr. Shashidhar Bharadwaj have been the resource persons for the training.

ACTIVITIES OF THE DEPARTMENT

- The Department of Chemistry & Biochemistry organized a four-days VAP from 4th Jan to 7th Jan 2024 on "Hands-on Training on Basic Molecular Biology Techniques: Enhancing Research Skills" in collaboration with Medauxin, for M.Sc. Biochemistry students of I & III semesters with the guidance of Dr. Suveditha and Ms. Kavya.
- On 6th of February, there was an Industrial visit for PG students at Shriram Institute for Industrial Research, Bengaluru, on Aug 14, 2023, coordinated by Dr. Hareesh Kumar.
- Dr. Shashidhar Bharadwaj conducted an activity-based approach to learning IUPAC nomenclature for BSc Biochemistry students.
- An outreach program was conducted for the various school students on account of National Science Day on February 28th.
- There was an Industrial visit for PG students to the Bamul Nandini KMF milk dairy head office, Bengaluru, on 12th January 2024, coordinated by Dr. Shashidhar and Dr. Ashly P.C.
- PG students explored IISc Open Day on February 24th at IISc, coordinated by Dr. Panchami and Dr. Ashly.

PHOTO GALLERY

