



# NEWS LETTER

## DEPARTMENT OF BIOTECHNOLOGY AND GENETICS

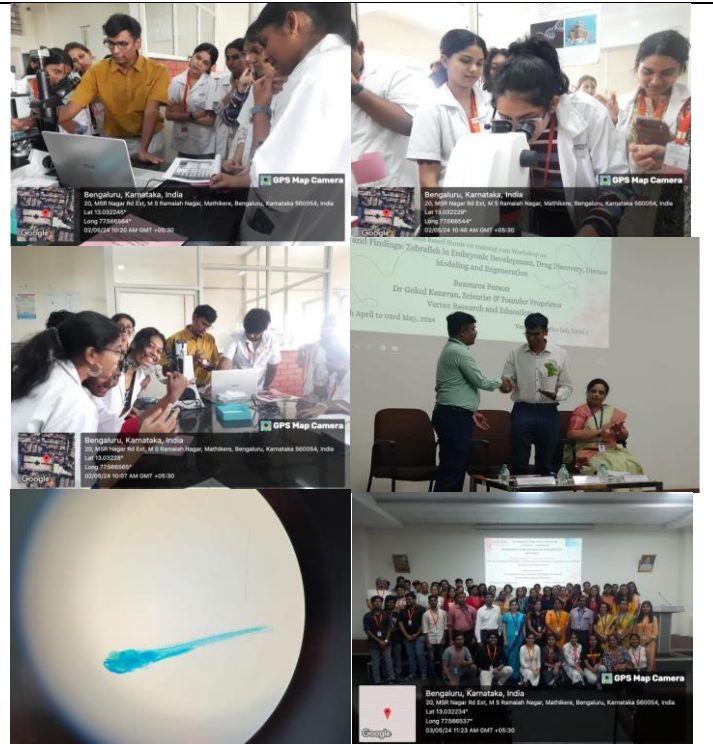
(January to April 2024)  
Issue 2, Volume 1



### Vision

"Empowering future Biotechnologists to pioneer breakthroughs in Health, Sustainability, and Environment."

The Department of Biotechnology and Genetics, in collaboration with Vertex Research and Education, is proud to announce a transformative opportunity for undergraduate life science students. From April 24th to May 3rd, we will host a skill-based Hands-on Training cum Workshop titled "Fins to Findings: Zebrafish in Embryonic Development, Drug Discovery, Disease Modeling, and Regeneration." Led by esteemed resource person Dr. Gokul Kesavan, Founder and Proprietor of Vertex Research and Education, this workshop promises to delve deep into the multifaceted role of zebrafish in cutting-edge biotechnological research. Under the guidance of expert conveners Dr. Geetika Pant, Dr. Vinutha M., and Dr. Rashmi Nagesh, participants will gain invaluable practical experience, exploring the potential of zebrafish in embryonic development, drug discovery, disease modeling, and regeneration. Don't miss this unique opportunity to expand your horizons and unlock the secrets of zebrafish biology at the forefront of scientific discovery.



**RAMAIAH**  
College of Arts, Science & Commerce  
HEALTHY FOOD, HEALTHY PEOPLE, HAPPY FUTURE  
We are proud to be green by choice

**Extension Activity**  
Organized by  
**Department of  
Biotechnology and Genetics**



**"Organic farming,  
Biofertilizers and  
Biopesticides"**

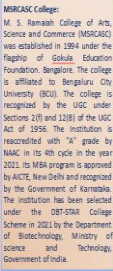
**Date:** Monday, 08 April 2024  
**Venue:** Gandhian School of  
Natural Farming, Tumakuru,  
Karnataka

**About the Extension activity:**  
The programme aims to give an insight on organic farming to undergraduate life science students. Organic farming is a holistic production management system that promotes and enhances agro-ecosystem health, including biodiversity, biological cycles, and soil biological activity. Organic farming uses environmentally friendly methods of weed, pest, and disease control. It mainly rely upon crop rotation, biofertilizers and biopesticides which greatly reduces the environmental pollution.

**Objectives:**

- ◆ To provide hands on training in Organic farming.
- ◆ Preparation of Biofertilizers
- ◆ Preparation of Biopesticides

**MSRSCAS College:**  
M. S. Ramaiah College of Arts, Science and Commerce (MSRSCAS) was established in 1984 under the Regship of Gokula Education Foundation, Bangalore. The college is affiliated to Bengaluru City University (BCU). The college is recognized by the UGC under Sections 2(f) and 2(12B) of the UGC Act of 1956. The institution is re-recognized with "A" grade by NAAC in its 4th cycle in the year 2021. Its MBA program is approved by AICTE, New Delhi and recognized by the Government of Karnataka. The institution has been selected under the DBT STAR College Scheme in 2021 by the Department of Biotechnology, Ministry of Science and Technology, Government of India.



The Department of Biotechnology and Genetics, in collaboration with the Internal Quality Assurance Cell (IQAC), is pleased to announce an extension activity tailored for undergraduate life science students. On May 4th, 2024, we will embark on a journey of experiential learning to the Gandhian School of Natural Farming in Tumakuru, Karnataka. Led by esteemed resource person Dr. Manjunath, this immersive experience offers students a unique opportunity to explore the principles and practices of natural farming firsthand. Under the guidance of dedicated conveners Dr. Vinutha M., Dr. Sathish Babu, Dr. Radha Dayanidhi, and Dr. Vijaylakshmi, participants will engage in hands-on activities, interactive sessions, and meaningful discussions aimed at deepening their understanding of sustainable agriculture and its implications for biotechnology and genetics. Join us as we delve into the wisdom of natural farming and its alignment with the ethos of Gandhian principles, fostering a deeper connection between science, society, and the environment.

\*\*\*\*\*