

PATRONS

Dr. M.R. Jayaram, Chairman, GEF
Sri M.R. Janakiram, Director, GEF
Sri M.R. Kondandaram, Director, GEF
Sri B.S. Ramaprasad, CE, GEF
Sri G. Ramachandra, COF, GEF
Dr. Vatsala G, Principal, MSRCASC
Dr. Anandappa Iramukhadavar, Registrar (Academics)
Prof. Suresh J, Deputy Registrar, Admin & Evaluation
Prof. Jayarama B S, Vice Principal
Prof. Puspha H, Vice Principal

ORGANIZING COMMITTEE

Dr. Lakshmikanth R N, Associate Prof & Head (PG)
Dr. Channarayappa. Professor
Dr. Ramesha N, Professor
Dr. D.R. Jayashree, Professor
Dr. Ramakrishnaiah T N, Assistant Professor
Dr. Sowbhagya R., Assistant Professor
Dr. Radha Dayanidhi, Assistant Professor, Head (UG)
Ms. Beulah Angel, Assistant Professor
Dr. Pramod Prakash Desai, Assistant Professor
Dr. Pavithra Kumari H G, Assistant Professor
Dr. Muktha H, Assistant Professor
Dr. Satish Babu, Assistant Professor
Dr. Vijayalakshmi T N, Assistant Professor

About the Workshop

Zebrafish is pivotal in biomedical research as their genome is sequenced completely for easy manipulation. Their transparent embryos offer insights into embryonic development, aiding in the study of organogenesis. Genetically akin to humans, they're instrumental in disease modeling and drug discovery, shedding light on conditions like cancer and cardiovascular diseases. Zebrafish's remarkable regenerative abilities also make them invaluable in studying tissue repair mechanisms, holding promise for future therapeutic interventions. This workshop will delve into zebrafish's multifaceted roles, spanning embryonic development, drug discovery, disease modeling, and regeneration.

Outcome

Students will embark on a comprehensive journey through various facets of zebrafish research, gaining hands-on experience and essential practical skills crucial for developmental and disease studies. Theoretical knowledge will be complemented by insights into the underlying logic behind each experiment, enriching participants' understanding of this dynamic field.

Convenors

Dr. Geetika Pant, Assistant Professor
Dr. Vinutha M, Assistant Professor
Dr. Rashmi Nagesh, Assistant Professor



**M S Ramaiah College of Arts,
Science and Commerce - Autonomous**

**Department of Biotechnology and Genetics
In association with
Vertex Research and Education**

**Organizes
Skill based Hands on Training cum Workshop on**

**“Fins to Findings: Zebrafish in Embryonic
Development, Drug Discovery, Disease Modeling,
and Regeneration”**

24th April to 3rd May, 2024

Venue : Genetics Lab, Level 5

About College

Dr. M S Ramaiah, a visionary and philanthropist established "Gokula Education Foundation (GEF)", in the year 1962, to deliver education and healthcare for the betterment of mankind. Under the tutelage of GEF, M S Ramaiah College of Arts, Science and Commerce (MSRCASC) was established in 1994. MSRCASC is Re-accredited with "A" Grade by NAAC, Permanently affiliated to Bengaluru City University (BCU), and approved by AICTE. It is also recognized under section 2(f) & 12(B) of the UGC Act 1956. It has produced several rank holders and has alumni in distinguished institutions all over the world. The College has a legacy of organizing workshops, international and national conferences in various disciplines of Science, Commerce and Management in addition to Quality Initiatives in Higher Education.

About Department

Department of Biotechnology and Genetics in the M S Ramaiah College of Arts, Science and Commerce, was established in the year 2000 offering both UG and PG programs. The main objective of the program is to provide conducive learning environment for the students and to mitigate the shortage of biotechnologists in the field of food, agriculture, medicine and environmental management. Highly qualified and experienced faculty members deliver the lectures and conduct the practical in various subjects of as per the curriculum developed by the Bangalore City University. The department focuses mainly on teaching the basics, applications and hands-on-training in a state-of-the-art classroom and laboratory environment. It also facilitates students to broaden their knowledge for multitasking opportunities by conducting various curricular and extracurricular activities.

Resource Person



Dr Gokul Kesavan
Principal Scientist and the Founder-Proprietor of
Vertex Research and Education

