

# HANDS-ON TRAINING/WORKSHOP ON CELL CULTURE & ALTERNATIVE ANIMAL MODELS

August 01 to 10, 2024

Sponsored by  
**Doerenkamp Zbinden Foundation for Animal Free Research  
Switzerland (DZFS)**

Organized by  
**Mahatma Gandhi Doerenkamp Centre (MGDC)**  
for Alternatives to Use of Animals in Life Science Education

**National Centre for Alternatives to Animal Experiments (NCAAE) &  
Society for Alternatives to Animal Experiments- India (SAAE-I)**

Department of Animal Science

Bharathidasan University, Tiruchirappalli-620 024, Tamil Nadu, India.

## 1 ANIMAL CELL CULTURE

Exposure of cells to toxicants/ therapeutics, Co-culture & Fluorescent staining (AO/EB/Hoechst/DAPI), Colony formation assay, MTT, ROS & Comet assays, Mitochondria; Lysosomes localization assays

## 2 HYDRA

Hydra media preparation, Artemia harvesting, Acute toxicity testing & Morphological alteration, LC50 & Sublethal dose calculations, Feeding, Regeneration, Reproduction, Comet assays & Fluorescent staining (AO)

## 3 ZEBRAFISH

Housing & Husbandry, Toxicity exposure in both embryos & adults, Behavioral studies, Regeneration & pattern formation, Fish growth parameters, Embryo collection & Teratogenic activity

### Experts



**Dr. M Mohammed Idris**  
Senior Principal Scientist  
CCMB  
*Zebrafish Model*



**Dr. M. A. Akbarsha**  
National College, Trichy  
Doerenkamp Chair - MGDC  
*In vitro 3D culture & Hydra model*



**Dr. B. Kadalmani**  
Co-ordinator  
NCAAE  
*In vitro 2D culture*



**Dr. S. Achiraman**  
Professor  
Environmental Biotechnology  
*In vitro assays*

### Eligibility

M.Sc./M.D./M.V.Sc./Ph.D/  
Research Scholars, Post-docs  
and Early Career Faculty.

### Registration Fee

Participant from Industry (CRO):  
Faculty & Stipendiary Scholars :  
Non-Stipendiary Scholars & PG Students: Rs. 5,000/-

Rs. 10,000/-  
Rs. 7,000/-

### Contact Details

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Registration Scan Me

- After the registration, shortlisted candidates will be intimated via email on 15.07.2024.
- The shortlisted candidates should pay and confirm the registration on or before 17.07.2024, at 5.00 pm.
- Working Lunch will be provided.
- Accommodation will be arranged for outstation participants at an affordable cost .

Registration link: <https://forms.gle/5qj8BBGYHVB5wtjtZ>

