

Come Join Us!



**ICAR-Central Institute of Fisheries Education, Mumbai**

# **ORNAMENTAL FISH FAIR AND AQUARIUM SCIENCE WORKSHOP**

***Transforming hobby into Passion***

**31st January and 1st February, 2024 | 10:00 AM–9:00 PM**

📍 ICAR-CIFE, Panch Marg, off Yari Road, Versova

**Organised by**

**ICAR-CIFE, Mumbai**

**In Association With**

**Maharashtra Aquaculture Farmers Association (MAFA)**

**Indian Fisheries Association (IFA)**

**Partners**

**ABI & CEFED, ICAR-CIFE, Mumbai**

**Sam Discus India, Pen, Maharashtra**

**Growel Feeds Pvt. Ltd., Andhra Pradesh**



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## Background

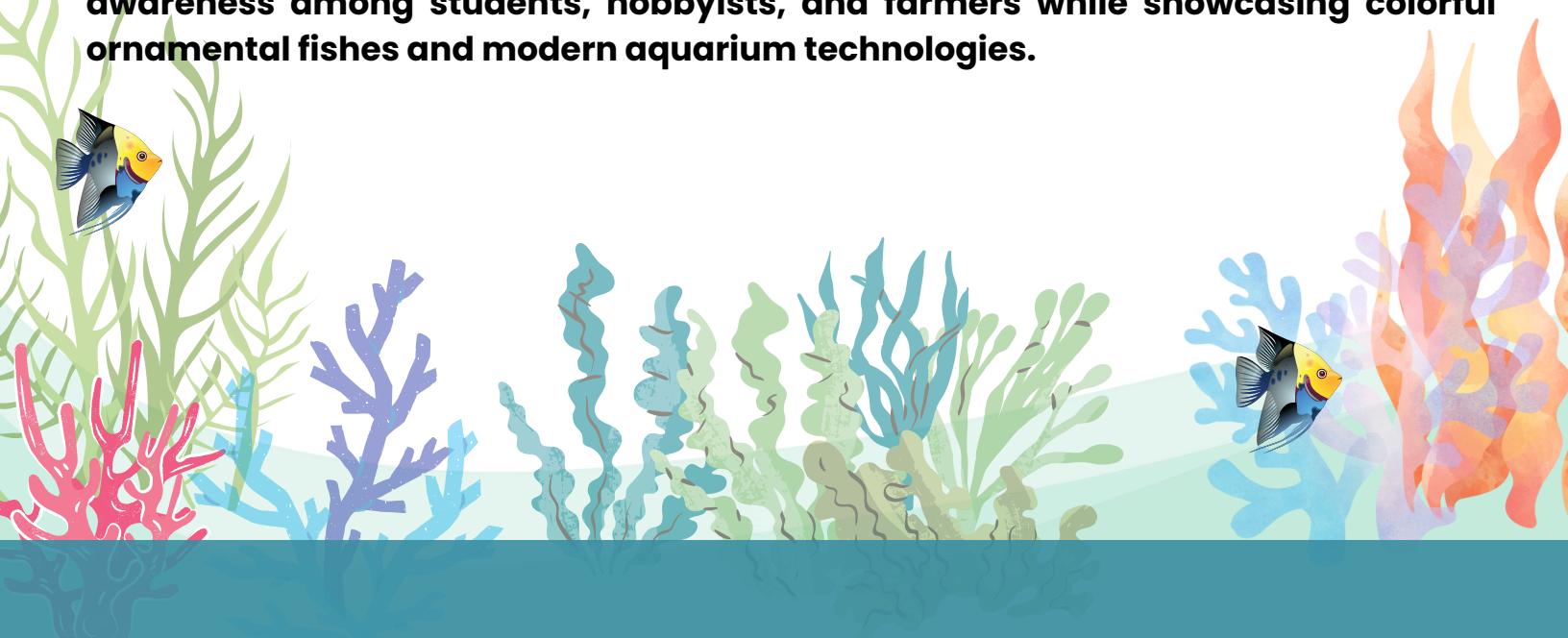
This event aims to promote the aquarium hobby and showcase colourful ornamental fishes from around the world. It will create awareness about aquaculture among students and encourage research and development in ornamental fisheries. The programme includes hands-on training and demonstrations on aquarium setup, aquascaping, live feed culture, and aquarium management. Student competitions will also be organised to build interest and knowledge in the ornamental fisheries sector.

## Aim & Objectives

- **Promoting aquarium hobby and display of colourful fishes**
- **Creating science awareness among the students**
- **R&D on ornamental fishes**
- **Hands on training and demonstration on aquarium making, landscape, aquarium management etc.**

## About the Workshop

The Ornamental Fish Fair and Aquarium ScienceWorkshop is a hands-on, skill-oriented programme aimed at promoting scientific aquarium management, ornamental fish breeding, and entrepreneurship. The workshop creates awareness among students, hobbyists, and farmers while showcasing colorful ornamental fishes and modern aquarium technologies.



# Hands-on Training Modules

## 1. Basic Aquarium Management

Scientific aquarium setup, selection of tanks and accessories, filtration and aeration systems, water quality parameters, fish stocking, feeding practices, and routine maintenance with live demonstrations.

## 2. Live Feed Management

Importance of live feeds in ornamental fish culture, culture techniques of infusoria, Moina, Daphnia, Artemia, enrichment methods, harvesting, and feeding schedules for larvae and brood stock.

## 3. Breeding Management

Brood stock selection and conditioning, sex identification, breeding tank preparation, natural breeding techniques, egg care, hatching, larval rearing, and nursery management of ornamental fishes.

## 4. Disease Management

Identification of common aquarium fish diseases, stress and water quality-related health issues, preventive health management, quarantine procedures, and basic treatment protocols.



## 5. Advance Aquascaping

**Advanced Aquascaping** is the art of creating stunning underwater landscapes, moving beyond basic setups to incorporate complex design principles, specialized hardscaping (rocks, wood), specific plant selection, high-tech lighting, and meticulous water parameter control for visually complex and thriving ecosystems, often inspired by nature's biomes. It involves mastering techniques like layering, creating depth with varying hardscape sizes, using the Golden Ratio, and balancing demanding plants, requiring scientific knowledge alongside artistic vision to achieve stunning, natural-looking results.

### Chief Patron

**Dr. J.K.Jena, Deputy Director General ( Fisheries Science), ICAR, New Delhi**

### Patron

**Dr. N.P.Sahu, Director, ICAR-CIFE, Mumbai**

### Convener

**Dr. Debjit Sarma,  
Head, Division of Aquaculture,  
ICAR-CIFE**

### Organising Secretary

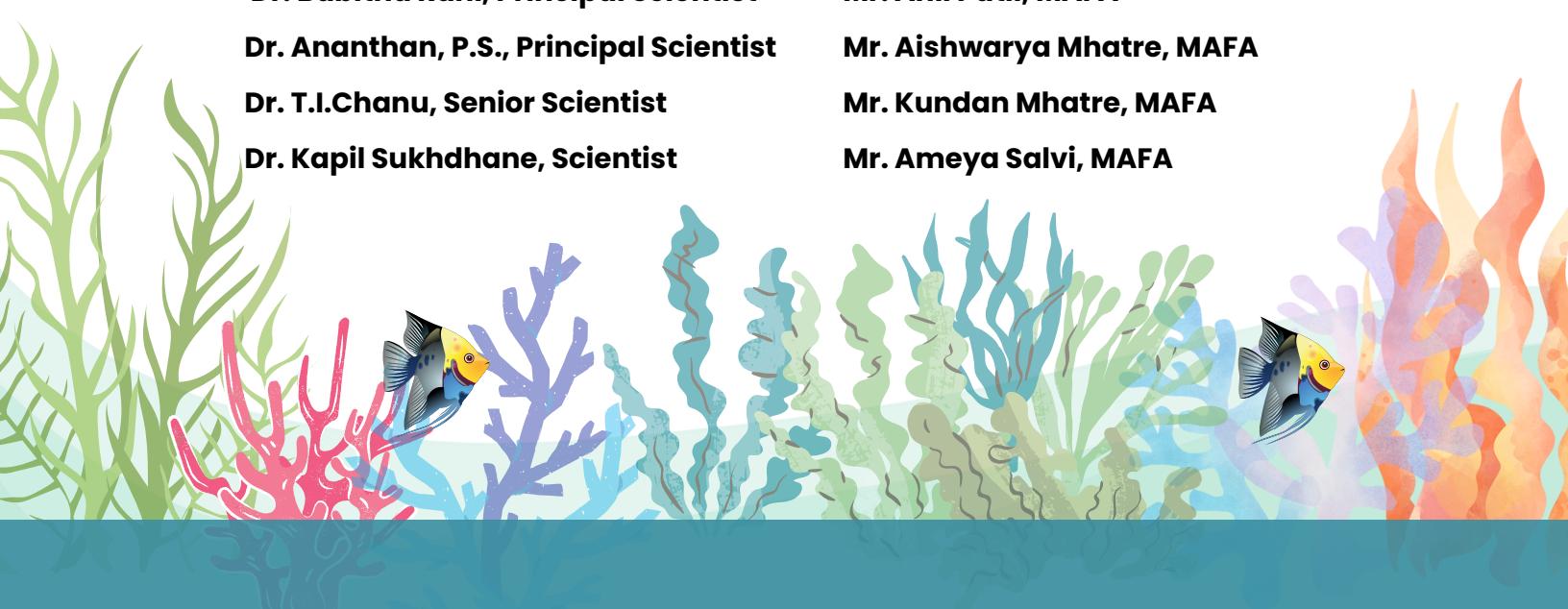
**Dr. Paramita Banerjee Sawant,  
Principal Scientist, ICAR-CIFE**

### Joint Organising Secretaries

**Dr. S. Munilkumar, Principal Scientist  
Mr. Abhay Thakur, MAFA  
Adv. Kashinath Tari, MAFA**

### Co-ordinators

<b>Dr. S. P. Shukla, Principal Scientist</b>	<b>Dr. Upasana Sahoo, Scientist</b>
<b>Dr. A. K. Verma, Principal Scientist</b>	<b>Dr. Madhuri Pathak, Scientist</b>
<b>Dr. Babitha Rani, Principal Scientist</b>	<b>Mr. Anil Patil, MAFA</b>
<b>Dr. Ananthan, P.S., Principal Scientist</b>	<b>Mr. Aishwarya Mhatre, MAFA</b>
<b>Dr. T.I.Chanu, Senior Scientist</b>	<b>Mr. Kundan Mhatre, MAFA</b>
<b>Dr. Kapil Sukhdhane, Scientist</b>	<b>Mr. Ameya Salvi, MAFA</b>





# Learn, Explore, Compete!



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**Register now for hands-on training and science workshops!**

