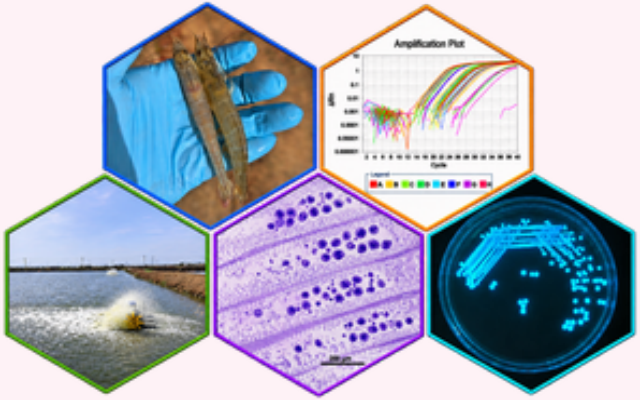
केंखाजपाअसं
CIBA

Training Programme

Recent Advances on Diagnosis & Management of Brackishwater Fish / Shellfish diseases



1-5 December, 2026

Venue

ICAR-Central Institute of Brackishwater Aquaculture

#75, Santhome High Road, MRC Nagar, Chennai
Tamil Nadu 600028

About us

ICAR - Central Institute of Brackishwater Aquaculture
Indian Council of Agricultural Research
(Ministry of Agriculture and Farmers Welfare)

ICAR–CIBA plays a significant role in advancing science-based, sustainable and climate-resilient brackishwater aquaculture in India. Through research, technology development and dissemination, and strategic scientific interventions, the Institute strives to enhance aquaculture productivity, minimize disease-related losses, improve farmers' livelihoods and ensure the long-term sustainability of the sector.

The Aquatic Animal Health and Environment Division brings together multidisciplinary expertise in aquatic animal health, molecular diagnostics, epidemiology and environmental sciences to address emerging disease challenges in brackishwater fish and shellfish aquaculture. Its major research thrust areas include disease surveillance and epidemiological investigations, development and validation of rapid and sensitive diagnostic tools, characterization of emerging pathogens, host–pathogen interaction studies, development of therapeutics and health management strategies, and environmental monitoring for disease risk assessment.

The institute conducts specialized training programmes, capacity-building workshops and practical demonstrations on disease diagnosis, molecular pathogen detection, disease surveillance, aquatic animal health management, farm biosecurity, water quality assessment and sustainable disease prevention strategies for farmers, hatchery operators, entrepreneurs, researchers, extension personnel and other stakeholders.

Training details

The five-day intensive training programme aims to enhance the scientific knowledge and technical competencies of researchers, academicians and aquaculture professionals in the diagnosis, surveillance, prevention and control of emerging and re-emerging diseases affecting finfish and shellfish. The programme will focus on advances in pathogen detection, molecular diagnostics, including PCR-based assays and field-level diagnostic platforms, disease epidemiology, risk assessment and predictive disease modelling. Emphasis will also be given to advanced molecular and immunological tools, biosecurity measures and evidence-based health management strategies to strengthen aquatic animal health and promote sustainable aquaculture.

Who can attend?

State Fisheries Officials | Farmers | Researchers | Students | Entrepreneurs

Scan to register

https://docs.google.com/forms/d/e/1FAIpQLSciepG17z2lGSxL__zqv2qtE9DSHWdBMb5y_oTebKLrXdMbEA/viewform?usp=header

Last date: 25-11-2026

Fee details

Rs. 6500 +18% GST per person,

(includes application fee, course fee, course material, working lunch and refreshments)

Travel and boarding

The expenditure on travel, TA, DA, etc., has to be borne by the sponsoring authority / or by the candidates themselves. Institute has limited hostel facilities, suitable accommodation will be arranged on payment basis either in hostel or in a hotel nearby to the Institute on advance intimation / and on availability.

Key training areas

Disease Diagnosis

- Emerging diseases in brackishwater aquaculture
- Sample collection, preservation and processing
- Clinical examination and differential diagnosis
- Microbiological diagnosis
- Histopathology
- Scanning electron microscopy (SEM)
- Cell culture techniques

Molecular Diagnostics

- Real-time PCR
- Bioinformatics tools
- High end diagnostic technologies

Disese Management

- Biosecurity and farm-level disease prevention
- Bacterial virulence and novel therapeutic strategies
- Responsible antimicrobial use
- Hatchery and grow-out health management
- Parasitic disease management
- Climate smart farm managment
- Digital tools & AI integrated Health Management
- Traceability in international trade

Laboratory facilities







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Patron

Dr. M. Kailasam
Director, ICAR-CIBA

Convener

Dr. M. Shashi Shekhar
Principal Scientist & Head, AAHED

Course Director

Dr. Vidya Rajendran
Senior Scientist, AAHED

Scan to Reach Venue

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