



TRAINING ON
RECENT ADVANCES IN CAPTIVE BREEDING
AND FARMING OF POTENTIAL
BRACKISHWATER FINFISHES



From 5th to 9th August, 2019

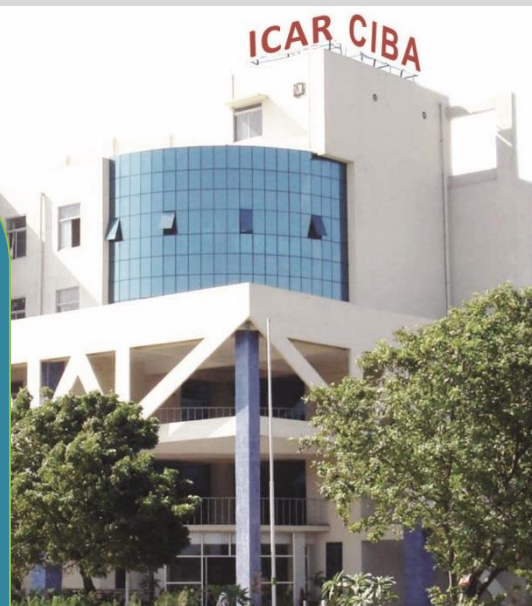
Organized by

**ICAR - Central Institute of Brackishwater Aquaculture
(CIBA) Chennai 600028, Tamil Nadu**



About ICAR-CIBA

Central Institute of Brackishwater Aquaculture (CIBA), Chennai is one of the national institutes under the nation's apex body, Indian Council of Agricultural Research (ICAR), Govt. of India. ICAR- CIBA, established on 1st April 1987 serves as the nodal agency for research and development of brackishwater aquaculture in the country. The institute with a vision of environmentally sustainable, economically viable and socially acceptable brackishwater aquaculture, is involved in R&D with focus on breeding and seed production technology for candidate brackishwater finfish and shellfish, cost effective indigenous formulated feeds, environment and fish health management , brackishwater farm and health management, population genetics and stock improvement, social research etc.



Course Background

Globally it is widely recognized that aquaculture sector is the major food production sector which can meet the increasing food and nutritional requirements for the man's platter in coming days. Indian sub-continent with huge water resources has potential to capitalise on the opportunity through sustainable production of superior aquaculture products for domestic and global marketplace. Culture of brackishwater finfishes is emerging as promising area in brackishwater aquaculture sector, since it provides many options to farmers to choose suitable species out of diversified potential candidate species for farming. Species diversification is very essential for sustainability since the varying nature of brackishwater bodies in India require different finfish species with respect to its adaptation to different salinity regime, feeding habits, growth rate etc. To expand the brackishwater finfish culture on large scale basis, availability of quality fish seed in adequate quantity is very essential. The ICAR-Central Institute of Brackishwater Aquaculture has developed a comprehensive technology package for seed production of food fishes such as Asian seabass and achieved breeding and seed production of milkfish, pearlspot, mystus cat fish etc. In addition, CIBA also standardised the breeding and seed production protocols for brackishwater ornamental fishes such as silver moony, spotted scat and orange chromide. CIBA has taken lead role in standardizing breeding protocols for grey mullet and mangrove snapper. CIBA has also successfully demonstrated farming of brackishwater finfishes such as seabass, mullets, milkfish and pearlspot in the farmers ponds.

In order to disseminate the recent development in technology developed in captive breeding, seed production and farming of brackishwater fin fishes, this training programme is being conducted at CIBA, Chennai for five days from 5th to 9th August 2019 to provide hands on training on "Seed Production and Culture of Brackishwater Finfishes". The presentations of the lectures are based on the field experience and knowledge gained by the distinguished scientists working in their specialized fields

Course content

The training will consist of a blend of lectures, practicals, interactive discussion and hands on training on the following:

- ❖ Recent trends in Indian brackishwater finfish aquaculture
- ❖ Induced breeding techniques of brackishwater fishfishes- An overview
- ❖ Induced breeding, larval rearing and seed production of Asian seabass
- ❖ Biology , induced breeding and larval rearing of milkfish *Chanos chanos*
- ❖ Broodstock development and induced breeding in *Mugil cephalus*-Present status and challenges
- ❖ Breeding and seed production of pearlspot *Etroplus suratensis*
- ❖ Brackishwater ornamental fish breeding techniques
- ❖ Larval rearing in finfishes with special reference to brackishwater fishes
- ❖ Culture of live food organisms- algae, rotifer, artemia and copepods
- ❖ Health management in brackishwater finfish hatchery
- ❖ Nutrient requirement of cultivable brackishwater fish
- ❖ Genetic factors in broodstock management for finfish hatchery
- ❖ Fish hatchery management with special reference to water quality parameters
- ❖ Hormonal control of reproduction in brackishwater farmed finfishes
- ❖ Nursery rearing and grow out culture of Asian seabass
- ❖ **Nursery rearing and grow out culture of mullets**
- ❖ **Transportation methodology and mitigation of transportation and handling stress in fish and shellfish**
- ❖ **Soil and water requirements & management for brackishwater finfish culture**
- ❖ **Bioremediation approaches for enhanced finfish production**
- ❖ **Discharge water treatment for environmentally sustainable brackishwater aquaculture**

Course Director

Dr. K.K. Vijayan

Director

ICAR-CIBA, Chennai

Course Co-ordinator

Dr. M. Kailasam

Principal Scientist and Head-in-Charge,
Fish Culture Division, ICAR-CIBA,
(kailasam@ciba.res.in/9444234524)



Nomination and course fee

The application for the training must be accompanied by course fee in the form of Demand Draft of Rs. 5900/- (Rs. 5000 + 18 % Tax) drawn in favour of **ICAR Unit, CIBA**, payable at State Bank of India, Santhome Branch, Chennai-600028. Applications should reach in advance for consideration. The employed candidates should apply through proper channel. The selected candidates will be intimated by post/e-mail and they should report on the first day of the commencement of the training course. Application along with the course fee is to be sent to Director, ICAR-Central Institute of Brackishwater Aquaculture, 75, Santhome High Road, Raja Annamalai Puram, Chennai – 600 028

Last date for receiving the nominations is 31st July 2019

Travel

The expenditure on travel, TA, DA, etc., has to be borne by the sponsoring authority / or by the candidates themselves. Local transport facility will be provided for visiting CIBA's experimental station at Mutukkadu.

Boarding and Lodging

Since the Institute is having limited hostel facilities, suitable accommodations will be arranged on payment basis in hotels nearer to the Institute on advance requisite.

Course Co-coordinators

Dr. M. Makesh, Dr. S.N. Sethi, Dr. Kumaraguru vasagam, Dr. Krishna Sukumaran, Dr. Aritra Bera, Mrs. M.U. Rekha, Mr. Sivaramakrishnan and Mr. Dani Thomas

Contact address

Dr. M. Kailasam

Principal Scientist and Head-in-Charge, Fish Culture Division

Central Institute of Brackishwater Aquaculture,

#75, Santhome High Road, R.A. Puram, Chennai-28. Website: www.ciba.res.in

Email. kailasam@ciba.res.in . Phone: 9444234524; 044-24616948 Ext 405; Fax: 044-24610311



Training on

**RECENT ADVANCES IN CAPTIVE BREEDING AND FARMING OF POTENTIAL
BRACKISHWATER FINFISHES**

REGISTRATION FORM

1.	Name of the Candidate (in capital letters)	
2.	Educational Qualification	
3.	Occupation/Designation Postal address, E-mail ID. and Mobile no.	
4.	Date of Birth/ Nationality/Sex	
5.	Whether SC/ ST	Yes/No
6.	Previous experience in Fisheries/ Aquaculture	
7.	Particulars of course fee/ DD enclosed (ICAR Unit, CIBA):	
8.	Are you being sponsored? If 'yes', give name and address of the Organization (Recommendation of sponsoring authority with signature and office seal)	

Certificate:

It is certified that information furnished above has been verified and found to be correct

Signature of the applicant

Place:

Send to: ***director@ciba.res.in***