

REGISTRATION FORM

1. Title of the course:
2. Name of the candidate (in Capital Letters):
3. Gender (Male / Female / Transgender):
4. Nationality:
5. Highest Education Qualification:
6. Category: (Aqua Farmer/ Fisher/ Farmer/ Aqua Technician/ Input Dealer/ Input Supplier/ Aqua Industry/ Aqua Marketing/ State Government/ Central Government/ Development Boards/ Commercial Banks/ Other Financial Institutions/ Research Scholar/ Student/ Others (Please specify):
7. Designation if employed, name and address of the employer:
8. Complete postal address with Pin code:
9. E-mail ID:
10. Mobile No.:
11. Whether belong to SC/ST Category: Yes / No
12. Particulars of the course fee DD / NEFT UTR Number etc.

I certify that the information furnished above is correct to the best of my knowledge and my records

Date:

Place: Signature of the applicant

13. Recommendations of forwarding Institute:

Signature with seal

Designation:

Date:

Address:

IMPORTANT DATES

Last date for receipt of nomination: 21st Aug., 2023
Training: **23 to 29 August, 2023**



COURSE ADVISOR

Dr. Kuldeep K. Lal
Director, ICAR-CIBA, Chennai

COURSE DIRECTOR

Dr. Debasis De
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CORRESPONDENCE

Please send the application in E-mail to:
Head of Regional Centre
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ICAR-Central Institute of Brackishwater Aquaculture
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**Seed production and farming
technology of brackishwater
finfishes**

23rd to 29th August, 2023



**Central Institute of Brackishwater Aquaculture
Kakdwip Research Centre**

(Indian Council of Agricultural Research)
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KAKDWIP RESEARCH CENTRE OF ICAR-CIBA

Kakdwip Research Centre (KRC) came into existence in the year 1968 as a brackishwater experimental fish farm under the Central Inland Fisheries Research Institute, Barrackpore. Later, on 1st April 1987, it was brought under the aegis of ICAR-Central Institute of Brackishwater Aquaculture (CIBA), Chennai to facilitate research and provide technological support to the growing brackishwater aquaculture sector of the country. KRC has completed 55 years in serving the brackishwater sector of the nation. The centre has scientific, administrative and technical manpower, well-developed farm facilities and well equipped laboratories to cater the needs of brackishwater aquaculture research, training (HRD), outreach and demonstration. KRC campus comprises of around 17.99 ha total area. The farm facility consists of 42 experimental ponds and 9 nursery ponds with combined water spread area of 10 ha. The office infrastructure comprises of office buildings, laboratories, live feed culture unit, modern feed mill, challenge shed, experimental yards, recirculatory aquaculture system (RAS), power sub-station staff quarters (type IV-2 nos; type III-8 nos; type II-4 nos; type I-12 nos.) and a trainees hostel.

OVERVIEW OF THE TRAINING

Aquaculture is one of the fastest-growing industries in the world and it has important role in the economic development, food and nutritional security, national income, employment opportunities. This sector is considered as sunrise sector in India with an average annual growth rate of 10.88% in past few years. Farming of brackishwater finfishes is an emerging and promising area in aquaculture sector. Due to diversified nature of brackishwater aquaculture and species diversification it provides many options to farmers to choose suitable species for farming. Availability of quality fish seed in adequate quantity

is important to expand the brackishwater finfish culture in different culture systems viz. pond, RAS, cage etc. The ICAR-Central Institute of Brackishwater Aquaculture has developed a comprehensive technology packages for seed production of seabass (*Lates calcarifer*), milkfish (*Chanos chanos*), Pearl spot (*Etroplus suratensis*), Catfish (*Mystus gulio*) and brackishwater ornamental fishes such as spotted scat (*Scatophagus argus*) and silver moony (*Monodactylus argenteus*) and orange chromide (*Etroplus maculatus*). Apart from this, ICAR-CIBA has also developed and successfully demonstrated farming methods of brackishwater finfishes viz. poly culture, multi-tier farming, biofloc based farming, periphyton based farming, IMTA etc. among farmers. In order to transfer the latest technology developed in this field, training programme is being conducted at KRC of ICAR- CIBA, Kakdwip for 7 days from 23rd to 29th August, 2023 to provide hands on training on “Seed production and farming technology 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 CONTENTS

The training will consist of lectures, practicals, interactive discussion on the following:

- Recent trends in brackishwater finfish aquaculture in Sundarbans
- Reproductive biology and endocrine control of reproduction in brackishwater finfishes
- Maturity assessment induced breeding and larval rearing of Nona tengra (*M. gulio*).
- Low cost breeding and seed production technology of pearl spot (*Etroplus suratensis*).
- Broodstock management and induced breeding technique of Spotted scat (*Scatophagus argus*)

- Seed production and farming of Hilsa (*Tilapia*) in brackishwater systems.
- Isolation and mass culture of live feed for fish hatchery.
- Nursery rearing of candidate brackishwater finfishes.
- Grow out culture of candidate brackishwater finfishes viz. Asian seabass, Milkfish, Mulletts, Pearl spot, Tengra etc.
- Captive broodstock development and importance of nutrition.
- Low cost feed formulation and preparation for fish farming.
- Diseases diagnosis and its management in brackishwater farm and hatchery.
- Water quality management during aquaculture and hatchery operations.

NOMINATION AND COURSE FEE

Students, State Fisheries Officials, Scientists/Teachers of Research Organization, State Animal and Fisheries Universities/NGOs, Aquarists, Entrepreneurs and farmers can join the training. The participants have to bear the course fee of Rs. 3000 + 18% GST. Filled in 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. Last date for receiving the application form is 21st August, 2023.

TRAVEL, BOARDING & LODGING

The expenditure on travel, TA, DA, etc., has to be borne by the sponsoring authority / organization or by the candidates themselves. Accommodation will be provided in KRC of CIBA guest house on payment basis. No accompanying persons will be allowed.