

Successful aquaculture largely depends on providing animals with a satisfactory growing environment. Aquaculture pond soil and water deteriorates when the capacity to assimilate nutrients and organic matter exceeds. Maintaining a good pond environment through the use of better management practices will reduce the stress, risk of disease, increase production, and improve productivity. To understand the status of pond quality, proper soil and water sampling is essential for getting representative samples for laboratory analysis. Many procedures are available to test the soil and water parameters starting from onsite measurements with kits and meters to laboratory analysis with sophisticated instruments. Interpretation of results is crucial to take proper management practices. Soil and water treatments are essential to mitigate the inadequacies and improve the pond environment.

The Environment Section of the Aquatic Animal Health and Environment Division has the expertise to look into the aspects of abiotic parameters related to brackishwater aquaculture and is equipped with sophisticated instruments and portable meters to analyze vital soil and water parameters. A pond soil core sampler was fabricated for the collection of soil samples during the culture period. Recently, Multi-parameter Water Analysis Kit was developed for the analysis of water parameters at the pond site. For the first time in the country, the institute is issuing Soil and Water Health Cards to aquaculture farmers.

The proposed training throws knowledge on soil and water suitability, sampling techniques, analytical procedures for important soil and water parameters, interpretation of results and recommendations for a better pond environment in aquaculture farms.



Contact:

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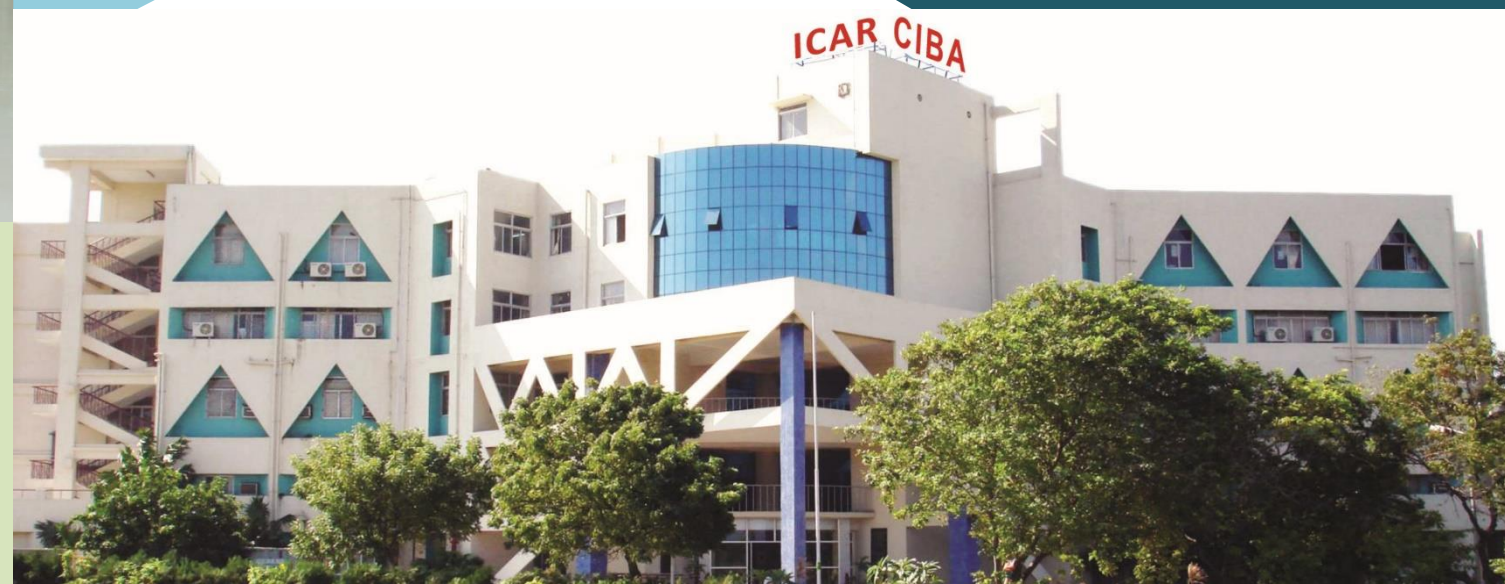
Water and soil analytical techniques and pond management for environmentally sustainable brackishwater aquaculture

Onsite training

19-24 January 2022

Organised by

**ICAR-Central Institute of
Brackishwater Aquaculture (CIBA)**
(Indian Council of Agricultural Research
Ministry of Agriculture and Farmers Welfare)
#75, Santhome High Road,
MRC Nagar, Chennai,
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REGISTRATION FORM

1. Full Name (Block Letter):
2. Designation :
3. Address for communication :
4. Mobile number :
5. Email :
6. Date of birth :
7. Gender :
8. Academic qualification :
9. Working experience :
10. PAYMENT DETAILS (A OR B)

A. Online payment:

SBI, Account no: 10013240762

IFSC code: SBIN0005797

Transaction No:-----

B. Demand Draft drawn in favour of “**ICAR Unit, CIBA**”, payable at State Bank of India, Santhome Branch, Chennai-600028.

DD No. -----

dated -----

Amount -----

Drawn on bank -----

CERTIFICATE

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

Place:

Date:

Name and signature of
the applicant



Course Content

- Soil and water requirements for aquaculture
- Soil and water sampling techniques from new and culture ponds
- Analytical procedures for soil and water parameters
 - Onsite measurement of parameters with portable kits and meters
 - Laboratory analysis
- Interpretation of results and recommendations
 - Treatments for the improvement of soil and water quality
 - Bioremediation Minerals and their significance in low saline aquaculture systems
- Discharge water management
- Environment impact assessment, monitoring & carrying capacity of source waters



Course Coordinators:

Dr. M. Muralidhar, Principal Scientist & SIC-Environment Section, ICAR-CIBA

Dr. P. Kumararaja, Senior Scientist, Environment Section

Course Co-coordinators:

Dr. R. Saraswathy, Dr. Satheesha Avunje, Dr. A. Nagavel



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.

Target Audience:

Aquaculture farmers, Technicians, Academicians, Research Scholars, Students who are new to shrimp culture and keen to learn about pond environment management.

Nomination and course fee:

Fill Nomination / Registration form with fee details.

Fee details

The training fee is Rs. 5900 (Rs.5000 plus 18% GST) per person, which includes application fee, course fee, course material, working lunch and refreshments.