

REGISTRATION FORM

Full Name (Block Letter) :

Designation :

Address for

communication :

Mobile number :

Email :

Date of birth :

Gender :

Academic qualification :

Working experience :

PAYMENT DETAILS

Demand Draft No. -----
dated ----- in favour "ICAR Unit,
CIBA" for an amount of ----- drawn
on bank -----
payable at State Bank of India, Santhome
Branch, Chennai – 600028.

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 Director: Dr. K. K. Vijayan,
Director ICAR-CIBA, Chennai

Course Co-ordinator: Dr. M. Muralidhar, Principal Scientist and SIC-
Environment, ICAR-CIBA, Chennai

Course Co-coordinators: Dr. R. Saraswathy, Dr. N. Lalitha, Dr. P. Kumararaja,
Dr. S. Suvana, Dr. A. Nagavel



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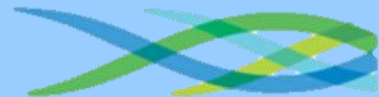


Recent advances in Soil and Water Management in Brackishwater Aquaculture



20-24 June, 2017 Chennai

**Organized by
ICAR- Central Institute of
Brackishwater Aquaculture,
Chennai**



About ICAR-CIBA

ICAR-Central Institute of Brackishwater Aquaculture (CIBA) established by Indian Council of Agricultural Research (ICAR), New Delhi under the Ministry of Agriculture, Government of India serves as the nodal agency for the development of brackishwater aquaculture in the country. Strategic and basic research is carried out at the Institute for the development of economically viable and environmentally sustainable culture technologies to maximize economic and social benefits. The developed technologies have been transferred to farmers and cascaded to other related departments. CIBA provides consultancy services on environmental assessment, setting up of labs, disease diagnostics and feed mills. CIBA conducts demonstrations and regular training programs.

Moreover, *P.vannamei* is cultured under widely varying salinity range with higher stocking density and farmers are applying minerals and probiotics without proper scientific basis and at higher quantities than actually required, which leads to increase in the cost of production and wastage of resources

It is a well-recognized fact that a pond has a finite capacity to assimilate nutrients and organic matter and when the capacity is exceeded, water and soil quality will deteriorate resulting in growth inhibition, vulnerability to diseases and ultimately mortality. Maintaining a good pond environment through use of proper management practices will reduce the stress, risk of disease, increase production, and improve productivity. This necessitates following the appropriate Better Management Practices (BMP) under different culture systems to maintain soil and water quality for environmentally sustainable aquaculture. Environment laboratory of the institute is equipped with highly sophisticated instruments to analyse vital soil and water parameters, GHG emissions in addition to portable meters and CIBA analytical kits for on-field analysis.

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

Fees details: The training fee is **Rs. 2,000 (inclusive of service charges)** per person, which includes application fee, course fee, course material, working lunch and refreshments.

Nomination and course fee: The application for the training (registration form) must be accompanied by course fee in the form of Demand Draft drawn in favour of “**ICAR Unit, CIBA**”, payable at State Bank of India, Santhome Branch, Chennai-600028. Applications should reach this office latest by **9th June 2017** for consideration. Employed candidates should apply through proper channel. The soft copy of the application can also be submitted through e-mail. The selected candidates will be intimated by 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 the course co-ordinator.

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 & Lodging: Since the 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.

Course Background

Globally it is widely recognized that aquaculture sector is the major food production sector which can meet the ever increasing food and nutritional requirements for the man's platter in the years to come. Aquaculture has emerged as one of the key export sectors of India, registering consistent growth year on year. With the advent of *P. vannamei* in India, shrimp farms have started flourishing again. Aquaculture farmers have started culturing shrimp with high stocking density under both earthen and lining ponds. In addition, post introduction of *P.vannamei*, many farmers are culturing the crop continuously without allowing proper drying of harvested ponds during fallow period. In the long term, this may affect the pond environment adversely, leading to reduced pond health and sustainability problems.

Course content

- ✓ Site selection for aquaculture
- ✓ Aquaculture farming systems
- ✓ Importance of healthy pond environment
- ✓ Minerals and their significance under different culture practices
- ✓ Feed and pond health
- ✓ Environmental stressors and disease
- ✓ Better Management practices for soil and water quality under different culture practices
- ✓ Discharge water management
- ✓ Environmental impact assessment
- ✓ Hands on training on soil and water analysis (Metabolites, nutrients, minerals etc)