



SKILL DEVELOPMENT TRAINING

PROGRAMME

ON

MANAGEMENT OF SOIL, WATER AND FISH DISEASES IN AQUACULTURE

(24 February - 2 March, 2026)



Organized by

KOLKATA CENTRE
ICAR-Central Institute of Fisheries Education
 32 GN Block, Sector V, Salt Lake City, Kolkata-
 700091

BACKGROUND

Worldwide aquaculture production is expanding day by day, for which there is an increasing interest in pond management and fish health. Soil and water quality parameters are often neglected by farmers which caused a straight decline the aquaculture production. So quick and robust testing of the soil-water qualities along with their proper management is the need of the hour to achieve sustainable aquaculture production. Fish disease has become a primary constraint to sustainable aquaculture production and product trade, there by affecting the socioeconomic status of fish farmers in our country. Different stress factors such as inadequate physicochemical and microbial quality of culture water, poor nutritional status and high stocking density are the main root cause of infection by opportunistic pathogens. Due to expansion of aquaculture, new emerging diseases are being reported, which is a major concern to the aquaculture industry.

In this backdrop, the ICAR-CIFE, Kolkata Centre plans to organize a training programme on “Management of soil, water and fish health in aquaculture” for the benefit of scientists, students, research scholars, farmers and other stake holders who are involved in this sector.

OBJECTIVES

- To impart hands on training on management of soil, water and fish diseases.
- To impart knowledge on advanced techniques of disease diagnostics.

COURSE CONTENTS

The course will deliver all the relevant aspects of diagnosis of fish diseases and pond management i.e., water and soil parameters, bottom soil management, wastewater aquaculture, common fish diseases of finfish and shell fish in aquaculture, nutritional diseases, diagnosis of viral, bacterial and parasitic

diseases, management of soil and water quality, probiotics in aquaculture, molecular diagnostics for bacterial and viral diseases of fish, microbial assessment of fish and fish products, pond management, feed management etc.

PRACTICALS:

Hands on practical's on different water and soil quality parameters, disease diagnostics, demonstration on prophylactic and curative control measure of fish diseases, molecular diagnostics for bacterial fish diseases, etc.

FIELD VISIT

Visit to sewage fed fishery, other bherries and fish farm

ABOUT ICAR-CIFE KOLKATA CENTRE

The ICAR-CIFE, Kolkata Centre was established in 1947 as Inland Fisheries Training Centre (IFTTC) in Barrackpore, West Bengal and this was the only centre which had provided training facilities for state fisheries departments. During 1997-98, the Centre was shifted to its present premises in Salt Lake City, Kolkata. The Centre was conducting one-year post-graduate certificate course on “Inland Fisheries management and Administration” which was upgraded to one year semester pattern “Post-Graduate Diploma in Inland Fisheries and Aquaculture Management (PGDIF & AM). The Centre is equipped with basic scientific instruments and wet lab facility to carry out research activities. The Centre has adequate facilities for boarding and lodging in the hostel for both male and female trainees.

HOW TO REACH

ICAR-CIFE, Kolkata centre is located in the Sector-V of Salt Lake City, Kolkata. The Centre is well connected with Road, Rail and Air. Netaji Subhash Chandra Bose International Airport at Dum Dum is only 16 km away.

The distance between the Centre and railway stations of Howrah and Sealdah are 18 and 10 km, respectively. Frequent bus and taxi services are available throughout the day from any parts of the city. The Niccopark, Benfish, Meen Bhawan and National Council of Science Museum are located nearer to the Centre. The nearest bus stoppage is Swasthya Bhawan.

ELIGIBILITY FOR TRAINING

Aspiring fish farmers, entrepreneurs, professionals, officials, scientists, students, researchers and others engaged in fisheries sector are eligible.

The completed applications may be sent to the Head, ICAR-CIFE Kolkata Centre *via* e-mail at kolkata@cife.edu.in before 10th February, 2026.

COURSE FEE

Rs.2360/- (for students including 18% GST) per participant. Course fee should be paid to the account of "ICAR CIFE SUB UNIT KOLKATA" payable at State Bank of India, SLEC Branch, Salt Lake, current account no. 10224931725, IFSC SBIN0009985. Payment should be made on or before 10th February, 2026 for confirmation of participation.

BOARDING AND LODGING

Boarding and lodging for the participants will be arranged in the hostel of ICAR-CIFE, Kolkata Centre. The boarding and lodging charges will be Rs.300/- (Rupees three hundred only) per person per day which are to be borne by the participants.

Medium of Instruction: English and Hindi

Application Form

Skill Development Training Programme on MANAGEMENT OF SOIL, WATER AND FISH HEALTH IN AQUACULTURE

(24 February-2 March, 2026)

- Name of the
1. Applicant :
 2. Date of birth :
 3. Nationality :
 4. Gender :
 5. Educational qualification:
 6. Occupation :
 7. Name of the Organization to which you belong :
 8. Work Experience :
 9. Present Position :
 10. Description of your work:
 11. Mailing address:
 12. Contact: Telephone/Mobile:
 13. Fax:
 14. Email:

Certified that I have filled up the above form carefully

(Signature of the applicant with date)



Programme Leader

Dr. N. P. Sahu
Director (Acting)
ICAR-CIFE, Mumbai

Course Director

Dr. T.K. Ghoshal
Principal Scientist & Head
ICAR-CIFE, Kolkata Centre

Course Coordinators

Dr. Suman Manna
Scientist
(suman@cife.edu.in; 7982666825)

&

Dr. Leesa Priyadarsani
Scientist
(leesa@cife.edu.in; 7003736429)

&

Dr. H. Mandakini Devi
Senior Scientist
(mandakini@cife.edu.in; 7005184214)

Correspondence

Head

ICAR-Central Institute of Fisheries
Education Kolkata Centre, 32 GN Block,
Sector V
Salt Lake City, Kolkata -700091
Phone: 033-23573893

Email: kolkata@cife.edu.in