

Course Director

Dr. Basanta Kumar Das

Director

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Course Coordinators

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Application form

Training Program on
Diagnostic techniques for infectious diseases
of fish

1. Name of the Candidate:
(In Capital letters)
2. Age (yrs):
3. Sex:
4. Designation:
5. Affiliation:
6. Mobile No.:
7. Email:
8. Residence:
9. Educational Qualification:
10. Experience (yrs):
11. Nature of present job:

(Recommendation of the sponsoring
Authority with signature of office seal)

Date:

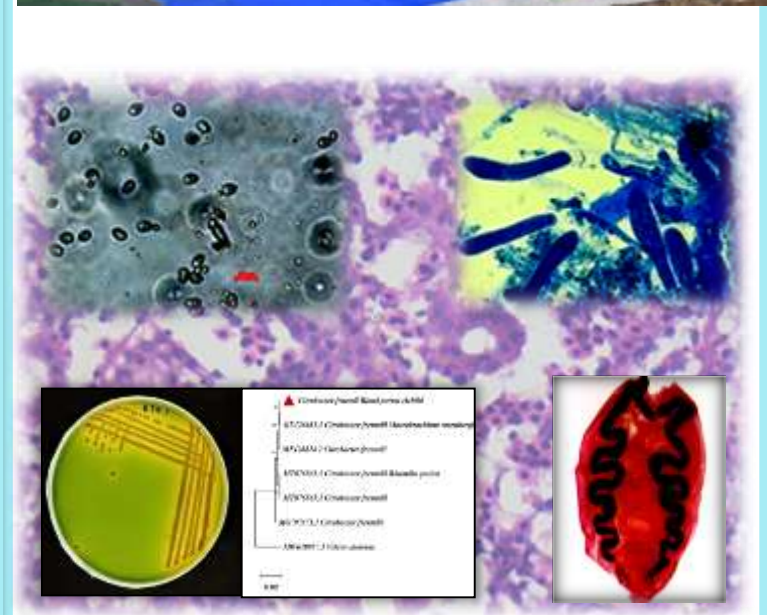
Signature of the Applicant

Place:



Training Program on Diagnostic techniques for infectious diseases of fish

17th November -21st November 2025



Organized by



**ICAR- Central Inland Fisheries Research Institute
Barrackpore, Kolkata, West Bengal-700 120**



India is endowed with vast Inland fisheries resources such as rivers, estuaries, reservoirs, floodplain wetlands, lakes, coastal lagoons, and backwaters, which play an important role in enhancing fish production and livelihood security. The ICAR-Central Inland Fisheries Research Institute (ICAR-CIFRI) is a pioneer institute in India with significant contributions in the inland fisheries sector. The Institute has carried out benchmark studies on the field of ecology and fisheries of major rivers, estuaries, lakes, reservoirs, and wetlands spread across the country. The institute strives for knowledge-based management of inland waters for sustainable fisheries, conservation of biodiversity, integrity of ecological services, and to derive social benefits from these inland open waters. The Institute is ISO 9001:2008 certified and provides world-class service standards.



Theme

Fish health is a cornerstone of sustainable fisheries and aquaculture. In India and many other regions, inland open water bodies—such as rivers, lakes, and reservoirs—coexist with intensive aquaculture systems, forming a complex mosaic of aquatic food production. Both systems face increasing threats from infectious diseases, which can lead to mass mortalities, economic losses, and ecological imbalance.

This training program is designed to build comprehensive diagnostic capacity across both natural and managed aquatic environments. It aims to empower fisheries professionals, researchers, and field workers with the tools and techniques needed to investigate, diagnose, and manage infectious fish diseases effectively, ensuring the health of aquatic ecosystems and the viability of fish-based livelihoods.

Tentative Course Content

- ❖ Overview of Fish Pathogens: Viral, bacterial, fungal, and parasitic agents affecting freshwater fish species
- ❖ Standard procedure of fish disease investigation
- ❖ Sampling and Specimen Collection: Best practices for collecting and preserving samples for diagnostic analysis.
- ❖ Conventional methodology: Identification of bacteria, fungus and parasites and histopathological techniques.
- ❖ Molecular Diagnostics: PCR, RT-PCR, and other nucleic acid-based techniques for pathogen detection
- ❖ Water Quality and Disease Correlation: Understanding environmental triggers and stress factors
- ❖ Case Studies with Field Relevance: Disease incidents from major inland water bodies across regions
- ❖ Reporting and Surveillance of diseases: Building local networks for disease monitoring and response

Eligibility

The training program is open to Scientists/ University faculty/ Students (PG, Ph.D.)/ Research Scholars/Technical Staff. A maximum of 20 participants will be selected based on their experience and area of work. One or two participants may be sponsored by each institute or organization.

Special requirements

The course will contain segments of hands-on practical time to make sure participants understand the content of the theoretical lectures. Please bring your own portable computer for the hands-on training program.

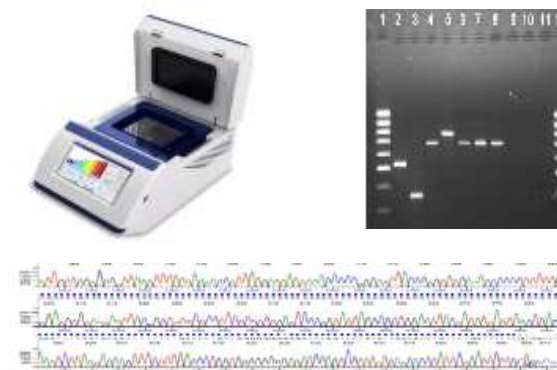
How to apply

Interested candidates may apply through the proper channel along with duly filled registration form. Fees can be paid in form of Demand Draft/NEFT/RTGS in favour of "ICAR UNIT-CIFRI" payable at State Bank of India, Barrackpore, Kolkata-700120, (Account No. 11278713220; IFSC code SBIN0000029).

Course Fees

Rs. 3000/- Scientist/ Faculty/ Technical Staff

Rs. 2000/- Research Scholar/Student (PG, Ph. D.)



Dates to remember

Last date of receipt of application: **12 November 2025**
Communication to the participants: **13 November 2025**