Contact Persons

Dr. B. K. Das, Director
Ph: 033-2592 1190/91; Fax: 033-2592 0177
Email: director.cifri@icar.gov.in

Course Director

Dr. B. P. Mohanty, Course Director
Head, FREM Division
Ph: 033-2545 2061, Mob: 92306 18153
Email: bimal.mohanty@icar.gov.in;
bimalmohanty12@gmail.com

Co-Course Directors

Dr. S. K. Nag, Pr. Scientist
Mob: 8240224545; Email:subirknag@yahoo.com
Dr. S. K. Manna, Pr. Scientist
Mob: 9433475913; Email: sanjibmanna@yahoo.com
Dr. B. K. Behera, Pr. Scientist
Mob: 9163209580; Email: beherabk18@yahoo.co.in

Course Coordinators

Dr. Soma Das Sarkar, Scientist
Mob: 74391 99710; Email: soma.das@icar.gov.in
Dr. Rohan K. Raman, Scientist
Mob: 78909 88652; Email: rohan.raman@icar.gov.in

Course Co-Coordinator

Shri Santhana Kumar V., Scientist
Mob: 9769278816, Email: sankumar1693@gmail.com

ICAR-Central Inland Fisheries Research Institute
Barrackpore, Kolkata – 700120
Phone: 033-2592 1190-91; Fax: 033-2592 0388

Dates to remember

Last date of receipt of nomination:
30 November, 2019
Communications to the participants:
07 December, 2019
Last date of confirmation from participants:
10 December, 2019
Intimation to waitlisted candidates:
12 December, 2019

Application Form for Participation in Winter School

(21 January-10 February, 2020)

Advances in Management of Inland Open-water Ecosystem Health

1. Full Name (in block letters):
2. Designation:
3. Present employer and address:
4. Address for correspondence (phone, fax, mobile, e-mail):
5. Permanent address:
6. Date of birth:
7. Sex (Male/Female):
8. Teaching/Research/Professional experience (mention post held) during last five years and number of publication:
9. Marital status:
10. Mention if you have participated in any Summer/Winter /Short Course during last three years in ICAR/other organization (s)
11. Demand draft (Rs. 50/-) No. …dated …….in favour of "ICAR-UNIT, CIFRI" payable at Barrackpore
12. Academic record:

Degree	Discipline	Year	Grade	University/ Institution
Bachelor				
Masters				
Doctorate				
Others				

Place:
Date:

Signature of the applicant

13. Recommendations of Forwarding Institute:

Signature
Designation of the Sponsoring Authority

Winter School on Advances in Management of Inland Open-water Ecosystem Health

21 January-10 February, 2020

Apply online @ https://cbp.icar.gov.in

ICAR-Central Inland Fisheries Research Institute
Barrackpore, Kolkata-700 120, West Bengal
http://www.cifri.res.in/

Background

Inland open waters provide multifarious utilities like irrigation, drinking water, industrial use and electricity generation, navigation and transportation etc. Due to pollution pressure and high anthropogenic activities, the quality of water has threatened mighty rivers like Ganga and the river became heavily polluted. For managing the aquatic environment, pollution biomonitoring and assessment are important issues. Water is a biotic entity, thus water quality assessment taking into account only limnochemical parameters is not enough; it is also important to study the flora and fauna in the aquatic environment to get an integrated picture of the water quality and the possible harm it can cause to the higher organisms including humans. Biomonitoring using advanced tools and robust statistics can provide comprehensive picture of water quality. In this backdrop, this winter school is proposed to familiarize the participants to the advanced and recent approaches in aquatic ecosystem health assessment and management.

Objectives

The major objectives of the winter school is to provide an opportunity to teachers, researchers and specialists working in AUs, CAUs, SAUs, ICAR and other Institutes to update their knowledge and skills in order to keep abreast with the latest developments in the advances in biomonitoring and management of inland open water ecosystem health. This course will aid in knowledge enhancement and capacity building of trainees in understanding the new and emerging tools and techniques in managing open water resources which are vital natural resources.

Course content

- Aquatic ecosystem health management for food safety and nutritional security
- Omics technology in aquatic ecosystem health assessment
- Fish health management in inland open waters
- Riverine ecosystem health assessment
- Ecosystem health assessment of EKW
- Pollution induced mutations in tumor suppressor p53
- Heavy metal status in River Ganga
- Emerging contaminants in open water ecosystems
- Carbon sequestration and GHG emission in wetlands
- Geospatial technology in inland aquatic resource management
- E-mapping of water resources
- Microbial assessment of rivers
- Metagenomics in riverine health assessment
- Biostatistics, Ecopath and other statistical modeling in inland fisheries resource management
- Stress proteins in ecosystem health assessment
- Impact of barge movement in river Ganga
- Water quality assessment
- Bioremediation
- Nanotechnology in ecosystem health assessment
- Environmental toxicology vis-à-vis fish health
- Capacity building in environmental management
- Laboratory sessions

Eligibility

Participants should be from ICAR Institutes/State AUs/CAU/Agricultural faculty of AMU, BHU, Vishwa Bharti and Nagaland University in the cadre of Assistant Professors or equivalent and above. The number of the participants for the programme will be limited to 25 on first-cum-first serve basis. Number of local participants will not exceed 10% of the total.

How to apply

Eligible and interested participants are requested to send their nomination in the prescribed format through proper channel to the Course Director along with non-refundable Demand Draft/Postal Order of Rs. 50/- as Registration Fee in favour of **ICAR-UNIT, CIFRI** payable at Barrackpore. The candidate may apply online by visiting the website https://cbp.icar.gov.in or through 'Capacity Building Programme' link under https://www.icar.org.in. Hard copy of the complete application in the prescribed format duly recommended by the competent authority should be sent to the **Course Director** by post or by e-mail. The selected candidates will be intimated over phone/by e-mail.

Travel and accommodation

Travel expenses, including to and fro journey by the shortest route as per entitlement class of travel, restricted to the maximum AC-II Tier fare by mail/express train, will be reimbursed on actual production of tickets. The participants are advised to make their travel reservations well in advance. Accommodation on twin sharing basis will be made available in the Institute Guest Houses. The participants are requested not to bring any accompanying member. Boarding and lodging will be provided free of cost from ICAR funds.

About Barrackpore

Barrackpore originated from the English word 'barracks', the first cantonment of the British East India Company. Located on the east bank of river Ganga, the city is endorsed with number of historical monuments including Gandhi Museum, Shahid Mangal Pandey Udyan, Sukanta Sadan, Gandhi Ghat etc. Through Barrackpore Trunk (BT) Road, it is connected to different parts of Kolkata along with several religious places. The city is 30 km from Netaji Subhas Chandra Bose International Airport and same distance from Howrah Railway Station.

Travel to ICAR-CIFRI

The Institute is located at Monirampur, Barrackpore in the northern part of Kolkata city. The participants can reach the Institute through Barrackpore by rail (from Sealdah) and taxi/auto rickshaw/bus (route no 81) or through Sheoraphuli by rail (from Howrah) and ferry over the river Hooghly. The institute may not provide transport facilities and hence, the participants should make their own arrangement to reach the Institute. The Institute guest houses are located in the Institute campus itself. Nearest landmark is FISHERY GATE.