Published by:
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Mr. Feroz Khan
Scientist

Dr. Preetha Panikkar
Principal Scientist

Co-coordinators
Dr. Dibakar Bhakta
Scientist

Dr. Pranaya Parida
Scientist

Ms. Prajna Ritambhara Swain
Scientist

Application form for participation in training program on
Ecosystem Modelling:
Towards Management of Inland Fisheries

Date : 27th July - 02nd August 2022

1. Full Name (in Blockletters):.....
   .....
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. Professional experience:.....
9. Marital status:.....
10. Demand draft/NEFT/RTGS(Rs) No.....
    dated ..... in favour of"ICAR-UNIT, CIFRI"
    payable at Barrackpore.
11. Academic record:

Degree	Discipline	Year	Grade	University
Bachelor				
Masters				
Doctorate				
Others				

Place:
Date: Signature of the applicant

Recommendations of Forwarding Institute:

Signature & Designation
of the Sponsoring authority

For further details, please contact:

The Director
ICAR - Central Inland Fisheries Research Institute
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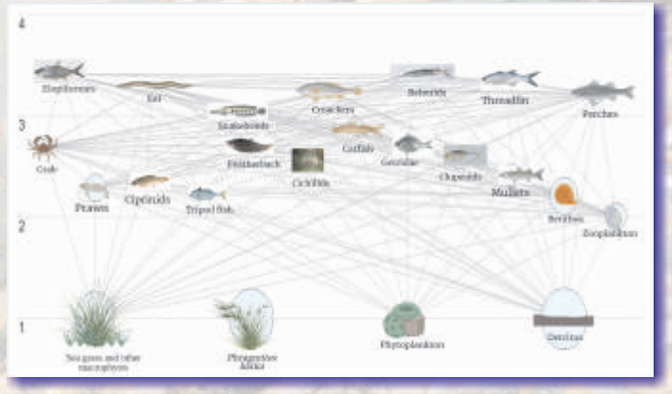
&
Dr. Dibakar Bhakta
Scientist (7980972754/ dibakar.bhakta@icar.gov.in)

Training Program on:

Ecosystem Modelling: Towards Management of Inland Fisheries



27th July - 02nd August 2022

भा.कृ.अनु.प.-केन्द्रीय अंतर्स्थलीय मात्स्यिकी अनुसंधान संस्थान
बैरकपुर, कोलकाता–700120, पश्चिम बंगाल
ICAR-Central Inland Fisheries Research Institute
Barrackpore, Kolkata - 700120, West Bengal
www.cifri.res.in
(ISO 9001:2008 certified Institution)

Background of ICAR-CIFRI

India is endowed with vast Inland fisheries resources such as rivers, estuaries, reservoirs, floodplain wetlands, lakes, coastal lagoons, and backwaters, which play 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 to 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 deriving social benefits from these inland open waters. The Institute is ISO 9001: 2008 certified and provides world-class service standards.

Theme

Inland fisheries are a vital component in the livelihoods and food security of people throughout the world, as well as contributing huge recreational and economic benefits. These valuable assets are jeopardised by a lack of research-based understanding of the impacts of fisheries on inland ecosystems, and similarly the impact of human activities associated with inland waters on fisheries and aquatic biodiversity. To achieve this goal, a new research approach is needed that focuses on quantifying economic, social and nutritional benefits of inland fisheries; improving assessments designed to evaluate fisheries exploitation potential ecosystem productivity and aquatic biodiversity. For sustainable inland fisheries management, an ecosystem-based approach is most important. Ecological models are useful for evaluating fishery management scenarios, as they allow researchers to investigate alternative fishing efforts, as well as varying environmental and trophic interaction scenarios. Through an ecosystem modelling approach using Ecopath with Ecosim, it is possible to quantify the impacts of inland fisheries on the structure and functioning of the ecosystem. This will help the stakeholders to make informed decisions.

Tentative course content

- Dynamics and static modelling approaches- by Professor Santanu Ray, Former Professor, Visva-Bharati University, Santiniketan
- Basic statistical packages for inland fisheries – by Dr. Baidyanath Pal, Associate Scientist A, Biological Anthropology Unit, ISI, Kolkata
- Some modelling strategies for freshwater fishes – by Dr. Malaya Naskar, Principal Scientist, ICAR-CIFRI
- Ecosystem-based fisheries management - by Dr. Preetha Panikkar, Principal Scientist, ICAR-CIFRI
- Spatial - temporal modelling with eco-space – by Dr. M. Feroz Khan, Scientist, ICAR-CIFRI
- Role of phytoplankton in primary production – by Dr. Soma Das Sarkar, Senior Scientist, ICAR-CIFRI
- Prey-predator interaction and mixed trophic impacts – by Dr. Pranaya K. Parida & Ms. Prajna R. Swain

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 with the EwE software installed.

For the EwE software installation instructions and software downloads, please see http://ecopath.org/downloads.

How to apply:

Interested personnel may apply through the proper channel along with duly filled registration form. Fee can be paid in the 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 Fee:

Rs. 3000/	Scientists/ University faculty/ Research Scholars/Technical Staffs
Rs. 2000/	Students (PG, Ph. D.)

* No TA/DA will be provided. Participants may avail the boarding/lodging facility of the institute as per the tariff of ICAR-CIFRI. The approximate tariff for boarding and lodging is Rs. 250 per day for students/ research scholars and Rs. 450 per day for entrepreneurs, Officials, Technical staff, and others.

Venue:

ICAR - Central Inland Fisheries Research Institute Barrackpore, Kolkata, West Bengal, India

Dates to remember :

Course duration:
27th July - 02nd August 2022 (6 days)

Last date of receipt of application:
20 July 2022

Communication to the participants:
21 July 2022

Travel to ICAR-CIFRI, Barrackpore

The Institute is located at Monirampur, Barrackpore in the northern part of Kolkata city. The participants can reach the institute from Barrackpore station by rail (from Sealdah) and taxi/auto-rickshaw/bus (Bus no 81 or 81/1), or from Sheoraphuli by train (from Howrah). Participants are requested to make their own arrangements to reach the Institute. The Institute guest house/ trainees' hostel is on the Institute campus itself. The nearest landmark is FISHERY GATE.