Training Programme

On

Statistical Foundation Course for Inland Fisheries Data Analysis

Date: 02-09 August, 2019

Organised by

ICAR-Central Inland Fisheries Research Institute

Barrackpore, Kolkata - 700120

Convenor:

Dr. B.K. Das, Director

ICAR-Central Inland Fisheries Research Institute

Course Coordinator:

Dr. Malay Naskar, Principal Scientist, ICAR-CIFRI

Dr. R.K. Raman, Scientist, ICAR-CIFRI

Course Co-cordinator:

Dr. D. N. Jha, Scientist, ICAR-CIFRI

A.K. Yadav, Scientist, ICAR-CIFRI

ICAR-Central Inland Fisheries Research Institute (ICAR-CIFRI) is a premier research organization established in 17 March, 1947 and has developed state of art facilities. The institute has expertise in wide research domain of inland fisheries resources, including reservoirs, wetland, riverine and estuarine ecosystem.

Computing facilities: The Research Institute has computer facilities well equipped with software packages along with modern teaching aids.

Library: The e-library has collection of books and journals in fisheries.

Guest house: The Institute has a guest house with modest facilities to cater to the needs of the participants.

Eligibility:

Master's degree in fisheries science/zoology/biotechnology/life science/environmental science

Working in any ICAR Institute or SAUs/ CAUs / ICAR funded KVKs

Nominations:

Interested personnel fulfilling the eligibility criteria may apply through proper channel along with registration form dully filled. The fee 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, (A/c : 11278713220;IFSC code: SBIN0000029).

Course Fees:

₹ 2000	**For students/ Research scholars**
₹ 4000	**For scientist and faculty**

***** No TA/DA will be provided. The participant may avail the Boarding / lodging facility of the institute as per the tariff of ICAR-CIFRI. The approximate tarrif for boarding and lodging is **@ Rs. 250** per day for students/ research scholar and **@ 450** per day for scientist and faculty.

Venue:

ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata – 700120, West Bengal

Duration: 2th *August, 2019 to 09th August, 2019*

ICAR-CIFRI (http://www.cifri.ernet.in)

Introduction:

Statistical tools and techniques play key role in planning, designing, data collection, analysis and drawing meaningful interpretation that facilitate prudent 'decision making' for Inland fisheries management. It is very important for the researchers in handling data collection, tabulation, knowledge of suitable statistical techniques and their implementation correct software tools.

This course therefore aims to update and improve concept of basic statistics and the analytical skills, which will provide knowledge of different context specific statistical analytical techniques and software implementation for fisheries data. The training course is mostly practical oriented, albeit the theory will be explained to build up concept. After theoretical deliberation, each of the analytical techniques will be followed by practical session with different software like MS Excel, R, SAS, SPSS etc.. The focus will be more on interpretation of the results, leading to the inland fisheries management.

Objectives:

- To introduce the nature of data evolved in inland open water research
- To strengthen the knowledge and concept in basic statistical techniques for analysis of data relevant to inland aquatic systems
- To get acquainted with statistical software for data analysis

Course content:

The course has been structured in two modules with class room lectures followed by practical exercise using statistical software. The main focus of programme will be to develop the basic concept building in data analysis and interpretation of the inland fisheries related data. Participants are requested to bring with them one or two data sets of their own research. These data sets may be analysed using software application and appropriate statistical techniques during practical session. The course content will be divided into two modules as follows:

Module I: Concepts of data generation and collection techniques in inland fisheries management

- Nature and concept of data , data collection and generation methods in inland open water aquatic systems
- Descriptive statistics for data analysis
- Guide to data exploration techniques
- Introduction to statistical software MS Excel, SPSS, R and SAS software for data analysis

Module II: Basic statistical analysis for inland fisheries data

- Basic concept of sampling and design of experiment in data analysis
- Parametric and non-parametric test of Hypothesis
- Analysis of Variance
- Correlation and Regression

Application Form

1. Full Name (in block letters):
2. Designation:
3. Present employer and address
4. Communication address (in block letter)
5. Permanent address:

Telephone No. (off.): (Res.) (optional)

Mobile No. : Fax No. (optional)

e-mail:

6. Date of birth:
7. Sex: Male/ Female
8. Professional experience
9. Marital status:
10. Last Academic Record :

Exam Passed	Subjects	Year of Passing	Class	University/ Institution

11. Discipline:
12. Level of knowledge of statistics and Computer usage

Signature of the applicant with Date

13. Recommendations of the forwarding Institute

Signature of the Forwarding / Sponsoring Authority with Seal and Date

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