

Boarding and lodging

Free boarding and lodging will be provided to the participants as per the approved ICAR norms for summer school. Please note that, no accommodation will be provided to the family members or guests of the participants.

Travel

Participants will be paid travel fare to and fro through the shortest route from their respective institution to CMFRI, Kochi and back for journey by AC-II/III class train fare or bus as the case may be. TA will be paid on production of the tickets by the participant.

How to Reach CMFRI, Kochi

Kochi is well connected by air, rail and road. Pre-paid taxi can be availed at airport/railway station to reach CMFRI, which is located very close to the Kerala High Court.

Contact address

Dr. A. Gopalakrishnan Director

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Application Form for Summer School on Advanced Methods for Fish Stock Assessment and Fisheries Management

(12th July - 01st August 2017)

Full name (in Block letters):.....
Designation:.....
Present employer & Address:.....
.....
.....

Address for communication.....
.....
.....

E-mail Address:.....
Mobile No: Date of Birth:.....
Sex (Male/Female):.....

Teaching/ Research/ Professional experience
(Mention posts held during last 5 years and number of publications):
.....

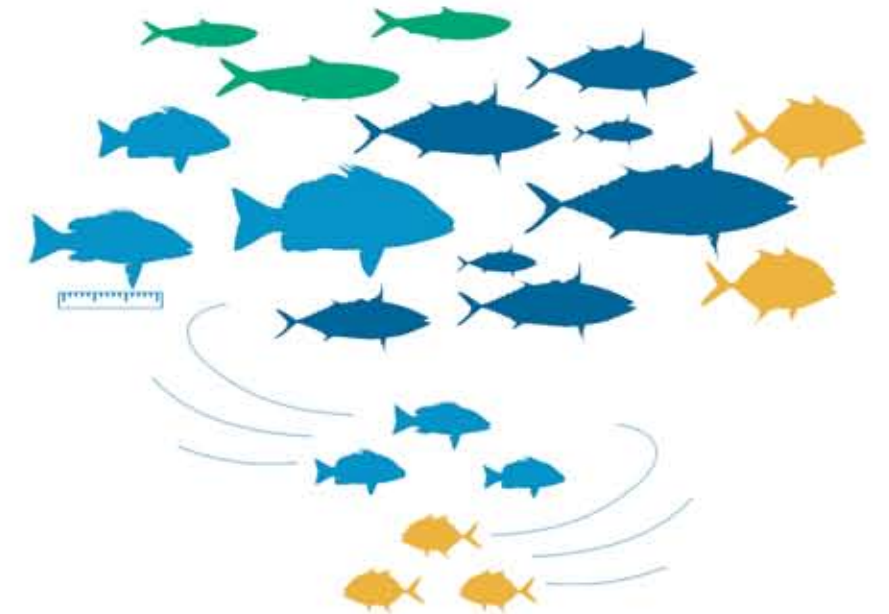
Mention if you have participated in any Training Programme, Seminar/ Summer/Winter
School, Short Course, etc. during the previous years under ICAR/ Other organizations:
.....

Demand Draft drawn in favour of ICAR Unit-CMFRI
(No.:Dated:.....)
For Rs. 50/- (Non Refundable) as registration fee, Payable at Ernakulam

Examination passed	Subjects main/ Subsidiary	Year	Division	University/ Institution
Degree				
Post Graduate				
Doctoral				
Others				

Date: (Signature of the Applicant)
Place:

Countersigned
Sponsoring Authority (Director/ Dean/ Head of Regional Station, etc.)



Summer School on Advanced Methods for Fish Stock Assessment and Fisheries Management

12th July - 01st August 2017



Fishery Resources Assessment Division
ICAR-Central Marine Fisheries Research Institute
Post Box No. 1603, Ernakulam North P.O., Kochi-682 018
Kerala, India



About CMFRI

The Central Marine Fisheries Research Institute (CMFRI) was established by Government of India on 3rd February 1947 under the Ministry of Agriculture and Farmers Welfare and later it joined the ICAR family in 1967. During the course of over 70 years the Institute has emerged as a leading tropical marine fisheries research institute in the world with its multidisciplinary approach to research in marine capture and culture fisheries. Human resource development by organizing specialized training courses is one of the mandates of the Institute to upgrade the knowledge base of scientists, teachers and researchers engaged in the area of marine fisheries in the country. The institute has the best library in the Asian region for fisheries and a national referral museum for marine organisms.

About the Summer School

Marine fisheries in India is an important sector contributing significantly to the nutritional security of the people with an annual production of 3.63 million tonnes in 2016. With a coastline of 8,129 km, 0.53 million km² of continental shelf and 2.02 million km² of Exclusive Economic Zone (EEZ), the sector not only provides direct employment to one million fisher-folk but also supports livelihood of 4 million fishermen population. Assessing the status of fish populations or stocks is inevitable to understand safe harvesting limits to conserve marine ecosystems and maintain the sustainability of aquatic food resources. Monitoring fisheries operations to assist

fisheries management faces formidable technical challenges due to the multiplicity of fishing gears, large number of species involved and the widely dispersed landing sites. Stock assessment is usually carried out by applying mathematical/statistical methods that model fishery dynamics. ICAR-CMFRI holds strong foundation in fish stock assessment and provides advisories to the state and central governments to implement management measures for sustained production from the sea. The Summer School would provide an opportunity for the researchers towards exposure on the suite of models used for stock assessments with hands on training on development of the same. The participants also could interact with many eminent persons apart from the field visits arranged.

Course Content

Major topics covered in the Summer School are

- Exploited Marine Fishery Resources in India
- Overview of Fish Stock and Fish Stock Assessment
- Diversity and Exploitation Status of Marine Fishery Resources in India
- Sampling Techniques for Fisheries Data Collection
- Tropho-dynamics and methods for stomach content analysis of fishes
- Application of R-software for fish stock assessment
- Estimation of Growth and Mortality
- Age Determination in Fishes using Hard Parts
- Recruitment and Selectivity
- DNA markers for stock identification
- Micro analytical methods
- Macro analytical methods
- Multispecies stock assessment models
- Estimation of Maximum Sustainable and Maximum Economic Yield
- Responsible Fisheries Management



Eligibility

The ICAR sponsored summer school is open for participants 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 participants should possess M.Sc. degree from any of the recognized university in Fisheries/Statistics subjects, working in the relevant fields as mentioned above not below the rank of Assistant Professor or equivalent. Participants will be selected on the basis of their qualification and relevance in the present area of working. A maximum of 25 participants will be selected based on their experience and area of working.

How to Apply

The eligible candidates may apply online at <http://cbp.icar.gov.in/> and also send their applications through proper channel in the prescribed format to Dr. Somy Kuriakose, Summer School Director, ICAR-Central Marine Fisheries Research Institute, Ernakulam North P.O., Kochi-682 018. The last date for the receipt of the nomination is 15th June 2017. The selected candidates will be informed by 20th June 2017.

Registration Fee

The participants are required to pay a sum of Rs. 50/- (Rupees Fifty only) as registration fee (Non-refundable) along with the completed application in the form of an Indian Postal Order in favour of Director, CMFRI, payable at Kochi.