Application form

Microbiological analysis of seafood

for Technical Staff of ICAR

August 01 to August 7, 2017

ICAR-Central Institute of Fisheries Technology,
Matsyapuri P.O. Willingdon island, Cochin-682 029.

1. Full Name (in capital letters):
2. Designation :
3. Present employer and address :
4. Address for correspondence (in block letters with email, mobile no and fax for future communication)

5. Permanent address :
6. Date of birth
7. Sex (male/female) :
8. Marital status :
9. Professional experience :
10. Mention if you have participated in any training course during the previous three years under ICAR / Other organizations :
11. Academic qualifications (PG onwards):

Certify that the information furnished above is correct to the best of my knowledge and my records

Date:
Place:
Signature of the applicant
12. Recommendations of Forwarding Institute

Signature and Designation of the forwarding official

Program Director

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Senior Scientist, MFB Division

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Scientist, MFB Division

Organized by

ICAR-Central Institute of Fisheries Technology
CIFT Junction,
Willingdon Island, Matsyapuri PO, Kochi-682 029
Kerala

Last date for application : 20 July 2017

Communication of acceptance will be sent on July 21, 2017

Training programme on

Microbiological Analysis of Seafood

for Technical Staff of ICAR

01- 07 August, 2017

Sponsored by

Indian Council of Agricultural Research

PUSA, New Delhi - 110 001

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Matsyapuri P.O. Willingdon island,
Cochin-682 029.
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Introduction

Seafood is a highly nutritious and also perishable commodity vulnerable for contamination with food borne pathogens. Fisheries provides huge employment opportunities and economic growth to the Nation. India contributes magnanimously in both marine and inland fisheries. To meet the demand of the growing population of near 130 crores it is also highly essential to produce microbiologically safe seafood. Hence, the products developed from diverse region of the country needs to be tested for microbial hazards. In this regard this training program will provide participants insight into the types of seafood borne pathogens, basic and good microbiological practices to screen the samples for pathogens employing conventional and rapid detection methods. The course intended for the training is being conducted as a part of the program by the MFB Division for the past ten years under HRD training to laboratory technicians, postgraduates, seafood technologists and microbiologists.

Brief outline of the training program module

The training Programme consists of a blend of lectures and practical. More emphasis will be given to practical /hands on training. This course begins with the basics of food microbiology and a refresher on the range of micro-organisms before going on to a substantial amount of practical work in our fully-equipped training laboratories, where trainees will acquire the skill and knowledge required to perform microbiological analysis. A series of lectures, coupled with extensive course notes covering all aspects of food microbiology, will underpin the theory behind the practical sessions, and provide essential information for future reference.

Who can apply or participate

The programme is open to technical staff from ICAR A maximum of 25 participants will be selected based on their experience and area of working. One or two participants may be sponsored from each Institute / Organization.

Boarding and Lodging

Expenditure towards session tea, working lunch, study material will be borne by the ICAR-CIFT. However TA, DA and accommodation charges and other expenses should be borne by the sponsoring institute. The institute has Guest House and trainees hostel with dining at CIFT residential campus, Perumanoor, Thevara. The participants should abide by the rules and regulations of the Institute trainees' hostel.

The Central Institute of Fisheries Technology (CIFT)

The CIFT was establsihed in 1957, is the only national center in the country where research in all disciplines relating to fishing and fish processing is undertaken i.e. harvest and post-harvest technologies in fisheries covering both inland and marine sectors. The institute works on basic and strategic research in fishing and processing, design and developing energy efficient fishing systems for responsible fishing and sustainable management, seafood safety, development of implements and machinery for fishing and fish processing, and human resource development through training, education and extension. Within it is bestowed with an NABL accredited laboratories for testing fish and fishery products and the institution is recognized as a national referral laboratory for testing the fish and fishery products by FSSAI, Govt. of India. CIFT has given several consultancies and transferred technologies to various beneficiaries and stakeholders. CIFT is involved in development of standards for various fish and fishery products.

Microbiology, Fermentation and Biotechnology Division

The MFB Division of ICAR-CIFT is the pioneer in carrying research on seafood microbiology, safety and bioactive molecules from aquatic microbes. Division comprises of experienced faculty for carrying out research work on various aspects of seafood pathogens. In the recent years, research on antibiotic resistant bacteria, their multidrug resistance including MRSA, ESBL, *E. coli*, etc. isolated from seafood is being carried out. The Division is well equipped with latest instruments such as Microarray, FTIR, PFGE, Bioanalyser, Real Time PCR, Thermal Cyclers etc. The Division is also involved in the development of rapid detection and characterization methods that are required for investigation on seafood borne disease outbreak. The division continually supports the seafood industry for testing of OIE listed viral pathogens of shellfish, crabmeat samples for *Clostridium botulinum* toxins, and consultation works ensuring seafood safety (Mandate of ICAR-CIFT) to achieve the goal of Nutrition to all