

Application format for participation in
CAFT training program

**CAFT Training Program on
Advances in Microbiological and
Biochemical Techniques in the
Assessment of Seafood Quality and Safety**

09 to 29 January 2018

1. Name (in block letters)
2. Designation
3. Present employer address
4. Address to which reply should be sent (in block letters)
5. Permanent address
6. Date of birth
7. Sex
8. Teaching/research/professional experience (mention post held) during last 5 years and number of publications
9. Marital status
10. Mention if you have participated in any research seminar, Summer/Winter schools, short courses etc during last 5 years under ICAR/other organizations
11. Demand Draft for Rs.50/- in favor of Director, ICAR-CIFE) towards registration (refundable), if applicable
- Bank _____
Dated _____
12. Academic record
Degree Discipline Year Class University
13. Recommendations of forwarding institute

Signature
Designation
Address

Date

Certificate

It is certified that the information was furnished by the office records and was found correct.

PROGRAMME DIRECTOR

Dr. Gopal Krishna

*Director / Vice-Chancellor
ICAR-CIFE, Mumbai*

COURSE DIRECTOR

Dr. B.B. Nayak

*Head, FRHPHM Division
ICAR-CIFE, Mumbai*

COURSE COORDINATORS

Dr. Sanath Kumar H.

Senior Scientist

Dr. Amjad K. Balange

Senior Scientist

Important dates:

**Receipt of applications:
30th November 2017**

**Acceptance/Confirmation:
7th December 2017**

**Accommodation available:
8 to 30 January 2018**

Filled in applications should be sent to:

Dr. B.B. Nayak

Principal Scientist & HOD, FRHPHM Division,
ICAR - Central Institute of Fisheries Education
Versova, Mumbai-61

Phone: 022 26361446 Ext. 230

Fax: 022 26361573

Important emails:

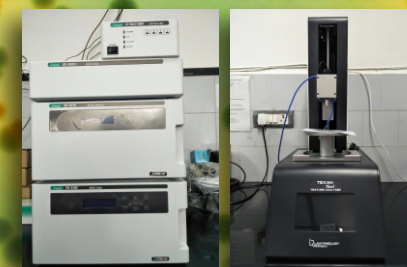
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**CAFT Training Program on
Advances in Microbiological
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in the Assessment of
Seafood Quality and Safety**

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ICAR-Central Institute of Fisheries Education
(Deemed University)
Mumbai
www.cife.edu.in

BACKGROUND

Fish is a perishable commodity. Near-neutral pH and high content of low molecular nitrogenous substances, make it a conducive substrate for growth of pathogens and spoilage bacteria. The resulting biochemical reactions are manifested in deterioration of quality. In addition, the quick growth of pathogens may raise public health concern. India being a signatory to WTA, the domestic seafood standards have been harmonized with the international standards. Establishment of FSSAI, and formulation of guidelines and standards for many domestic food products necessitates both monitoring and control of quality. The export of seafood has gone up remarkably in last few years. They are subjected to stringent quality monitoring prescribed by the buyers. Seafood export being a major source of foreign exchange for India, assurance of quality and safety of seafood is of prime importance. Furthermore, with the advent of new technologies, our capabilities to assess quality parameters have increased manifold. This training program emphasizes on

imparting hands-on training in using analytical methods, both conventional and advanced, that are in vogue. Every practical session will be preceded by theory sessions which will provide insights into the importance of each technique, its underlying principle, and applications. This program is designed for capacity building of researchers and teachers who are at the initial stages of their career.

Course content

- Analysis of proximate composition of seafood
- Conventional analysis of spoilage indicators like TMA, TVBN
- Analysis of biogenic amines in seafood
- Sensory and colour analyses
- Texture analysis and rheometry
- HPLC and GC-MS
- Recent approved bacteriological methods
- Fluorescent microscopic techniques
- Nucleic acid based detection of pathogens

(PCR, cloning, blotting)

- Micro-array analysis
- Labelling requirements

Eligibility

Faculty members or scientist working in the level of Assistant Professor or equivalent and above

Provision of accommodation

The participants would be provided accommodation. Since we are short of space, participants may have to share room with others. Participants are advised not to bring their families, as accommodation for them is not possible

Intake capacity

Twenty participants

Application

To be routed through proper channel (one may however send advance copy)

ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION

ICAR-Central Institute of Fisheries Education (CIFE), in over 50 years of existence, has emerged as a Centre of Excellence in Higher Education in Fisheries and allied disciplines. The Institute was established on 6th June 1961, under the Ministry of Agriculture, Govt. of India with assistance from FAO/UNDP. It came under the administrative control of Indian Council of Agricultural Research (ICAR) in 1979. Considering the wide mandate involving education, research and extension and

recognizing the pivotal role played by CIFE in human resources development in fisheries, the institute was conferred the status of Deemed-to-be-University in 1989. ICAR-CIFE is now placed in a new campus with state-of-the-art facilities and located about 8 km from the domestic and international airports and 20 km from Dadar railway station, a major rail terminus in Mumbai. The training will be conducted in the Seven Bungalows campus of CIFE. It is 5minutes walk from Seven Bungalows bus depot.

