

## Background

Food-borne illnesses associated with consumption of fish and shellfish are of great public health concern around the world. Seafood-associated infections are caused by bacteria, viruses or parasites, which are acquired by fish and shellfish either naturally from the seawater or via the human contamination of the aquatic environment. *Vibrio* spp., *Escherichia coli*, *Salmonella enterica*, *Listeria monocytogenes*, *Clostridium botulinum* and *Staphylococcus aureus* are among the important pathogens that are reported to cause food-borne illnesses as a result of consumption of contaminated seafood. Human infections associated with fish and fishery products occur when they are consumed raw or undercooked. Cautious handling of seafood post-harvest and meticulous management practices could be probable strategies for the prevention of contamination of fish and shellfish by enteric pathogens. Contamination with and spread of multidrug-resistant (MDR) pathogens has added new dimension to food safety management. Changing climate, changing food consumption patterns and globalization of food market offer numerous challenges in terms of food safety. This two-day seminar will address these seafood safety concerns, their impact on public health and the future research strategies to mitigate this problem.

### Convener

**Dr. Sanath Kumar H**  
Principal Scientist  
FRHPHM Division

### Co-Conveners

**Dr. B.B. Nayak**  
Principal Scientist & Head  
FRHPHM Division

**Dr. Manjusha L.**  
Senior Scientist  
FRHPHM Division

**For more information, contact:**

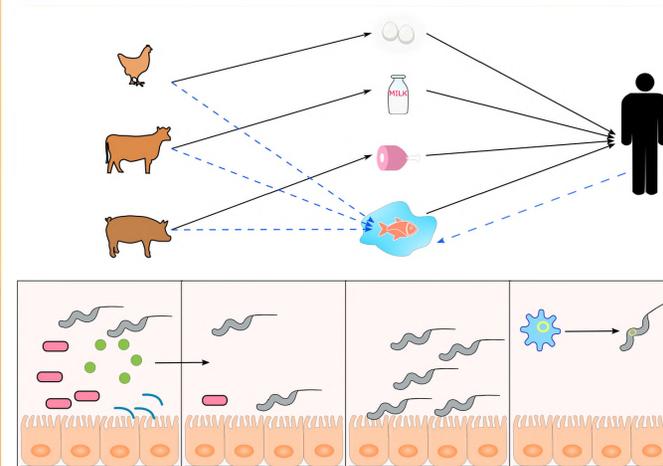
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**DST-SERB Sponsored National  
Seminar on  
SEAFOOD SAFETY AND PUBLIC  
HEALTH**  
**04<sup>th</sup> & 05<sup>th</sup> January, 2024**



Post-Harvest Technology Department  
ICAR-Central Institute of Fisheries  
Education (CIFE), Mumbai



**ICAR-CIFE** India's first Fisheries University  
Central Institute of Fisheries Education  
Mumbai, India



## Who can participate

Faculty members, scientists, research scholars and students working on seafood microbiology are welcome to participate in the programme.

## How to Apply



Interested participants shall register and apply online by paying Rs. 1000/- through the online payment link given at <https://www.cife.edu.in>. The screenshot of payment and application in the prescribed format may be sent by email to [manjusha@cife.edu.in](mailto:manjusha@cife.edu.in).

## About ICAR-CIFE

ICAR-Central Institute of Fisheries Education (CIFE), in over 60 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.



## About the Department

The Post-Harvest Technology Department of ICAR-CIFE is engaged in research on various aspects of fish processing including novel methods of processing, product development, fish waste utilization, quality control, microbiological safety, risk assessment and shelf-life enhancement and development of molecular methods for pathogen detection. The microbiology laboratory has been working on beneficial bacteria and archaea in fish, as well as the physiology and genetics of human pathogenic bacteria.

## Application Form

**DST-SERB Sponsored National Seminar**  
**SEAFOOD SAFETY AND PUBLIC HEALTH**  
**04-05 January, 2024**

Name: \_\_\_\_\_

Date of birth: \_\_\_\_\_

Educational qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Discipline/Specialization: \_\_\_\_\_

Institute &

Department: \_\_\_\_\_

Institute's address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

e-mail ID \_\_\_\_\_

Mobile no.: \_\_\_\_\_

\_\_\_\_\_  
Signature of the applicant with date

\_\_\_\_\_  
Signature & seal of the forwarding authority

JANUARY 4-5, 2024

DST-SPONSORED NATIONAL SEMINAR  
SEAFOOD SAFETY & PUBLIC HEALTH

Day-1  
January 04, 2024

Speakers

Prof. I Karunasagar, NITTE University



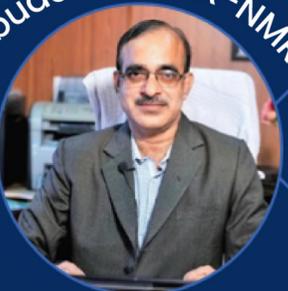
**Seafood Safety and International Trade: A Regulatory Perspective**

Prof. Jyoti Prakash Tamang, Sikkim University



**Traditionally Processed Fish Products of North East India: Metataxonomic to Food Safety**

Dr. S.B. Barbuddhe, ICAR-NMRI



**Ecogenomics landscape of *Listeria monocytogenes* in Indian subcontinent**

Dr. Rajesh Bhatia, FAO/AMR



**Environmental Dimensions of Food Safety with reference to Antimicrobial Resistance**

# DST-SPONSORED NATIONAL SEMINAR

## SEAFOOD SAFETY & PUBLIC HEALTH

Day-2  
January 05, 2024

### Speakers

Prof. Jeyasekharan, NPC, New Delhi



**Authentication of Seafood and its Impact on Food Safety**

Dr. Archana Rath, Mumbai University



**Seafood Safety from One Health Perspective**

Dr. Satyen Kumar Panda, FSSAI



**Ensuring Quality Assurance in Food Testing:  
Role of FSSAI**

Dr. Ravishankar C.N, ICAR-CIFE



**Novel Fish Processing Technologies and  
associated food safety challenges**



For registration & other details, visit  
<https://www.cife.edu.in/>

