

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


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Principal Scientist
FRHPHM Division

Co-Conveners

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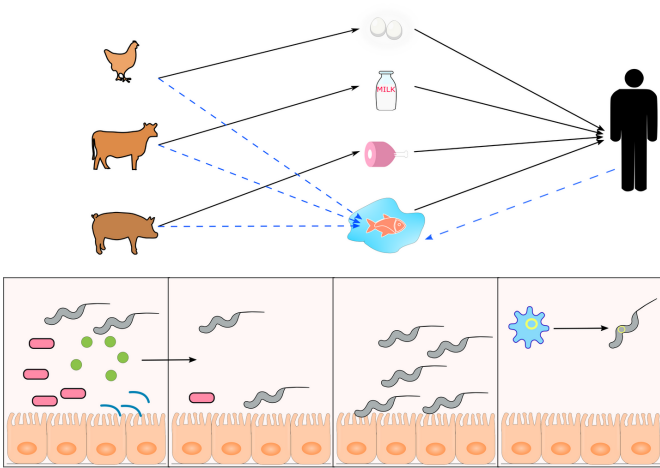
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**DST-SERB Sponsored National
Seminar on
SEAFOOD SAFETY AND PUBLIC
HEALTH**

04th & 05th January, 2024



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



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.

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/>

