

Who can apply or participate

The seminar is open to Scientists/academicians/ Researchers / subject matter specialists / professionals / post graduates from universities/ ICAR institutes/ SAUs/ CAUs in Microbiology, agriculture and allied disciplines.

Boarding, Lodging & Travel

Lodging and boarding will be provided to the participants in institute's trainees' hostel / hotels / guest house as per requirements on payment basis.

Address for correspondence

M.M. Prasad, PhD., ARS., Principal Scientist & Head of Division, Microbiology, Fermentation and Biotechnology, Central Institute of Fisheries Technology, Willingdon Island, Matsyapuri PO, CIFT Junction, CIFT Road, Kochi - 682 029, Kerala Ph: +91-484-2412384 (O); +91-484-2668212 (Fax); +91-9490798267 (Mobile); Email ID: prasadmm@hotmail.com, mm.prasad@icar.gov.in

SOCIETY OF FISHERIES TECHNOLOGISTS (INDIA)

CIFT Junction, Matsyapuri P.O., Cochin-682 029, Kerala, India, Ph: +91 484-2412300 (Ext. 303); Fax: +91 484-2668212. E-mail: info@fishtech.org, Website: www.fishtech.org

Registration fee

	Early bird registration (Before 10 Sept. 2019)	Spot registration (14 Nov. 2019)
SOFTI member	1500	2000
Non-SOFTI Member	2000	2500
Student / Research scholars	1000	1250
Registration fee to be paid in cash or DD drawn in favour of Secretary, SOFTI payable at Kochi		

Registration form

- 1.Full Name (in capital letters) :
- 2.Designation :
- 3.Office 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.Academic qualifications (PG onwards) :
10. Specialization :
11. Requirement for Boarding : Yes or No
12. Type of Boarding (Tick) : Trainees hostel / Guest house / Hotels

Date:

Place:

Signature of the applicant

Recommendations of Forwarding Institute if participant from government organization

Signature :

Designation :

Address :

Date :

CERTIFICATE

This is to certify that the information furnished by the applicant was checked with office record and was found correct.

Signature and Designation of the forwarding official

National seminar on

AMR in Indian Fisheries: Measures of Mitigation

Jointly organized by

**Society of Fisheries Technologists (India)
&
ICAR-CIFT, Cochin-29**

7-8 November 2019



9.00AM, Conference Hall, ICAR-CIFT, Cochin-29



Central Institute of Fisheries Technology
CIFT Junction, Willingdon Island
Matsyapuri P.O., Cochin-682 029, Kerala
Ph: 0484-2412300; Fax: 091-484-2668212
E-mail: aris.cift@gmail.com; cift@ciftmail.org

Organizing Committee

Chief Patron : Dr. Trilochan Mohapatra, Director General,
ICAR & Secretary DARE, New Delhi

Patron : Dr. J. K. Jena, Deputy Director General,
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Dr. K. Ashok Kumar, Secretary, SOFTI & Head, FP Division, ICAR-CIFT

Dr. Joshy C G, Treasurer, SOFTI & Scientist, FP Division, ICAR-CIFT

Dr. Leela Edwin, Head, FT Division, ICAR-CIFT & Editor,
Fishery technology, SOFTI

Dr. M.M. Prasad, Head, MFB Division, ICAR-CIFT

Dr. A.K. Mohanty, Head, EIS Division, ICAR-CIFT

Dr. A.A. Zynudheen, Head I/c, QAM Division, ICAR-CIFT

Dr. Manoj P. Samuel, Head, Engineering Division, ICAR-CIFT

Convener : Dr. M. M. Prasad, PS & Head, MFB Division,
ICAR-CIFT

Co-Conveners:

Dr. B. Madhusudana Rao, PS, Visakhapatnam Research Centre, ICAR-CIFT

Dr. G. K. Sivaraman, PS, CIFT, Cochin, ICAR-CIFT

Dr. Murugadas. V, Scientist, CIFT, Cochin, ICAR-CIFT

About CIFT

The ICAR - Central Institute of Fisheries Technology (ICAR-CIFT) is the only national research institute in the country that caters to the needs of harvest and post-harvest fisheries, covering both inland and marine sectors. CIFT is ISO/IEC 17025: 2005 NABL accredited, ISO 9001 : 2005 certified LABORATORY and is recognized by FSSAI as a National Referral Laboratory and National Reference Laboratory for testing of fish and fishery products. CIFT provides consultancy and ransferred harvest and post- harvest technologies to various beneficiaries and stakeholders. The institute is actively involved in developing fish and fish product standards for BIS, FSSAI and Codex Alimentarius.

About the Division



Microbiology, Fermentation and Biotechnology (MFB) Division of ICAR-CIFT, pioneers in research on seafood microbiology, antimicrobial resistance, aquatic animal disease surveillance, harnessing bioactive molecules from aquatic microbes and seafood safety with focus on important pathogens such as *Bacillus cereus*, *Campylobacter*, *Clostridium botulinum*, *Listeria monocytogenes*, *Salmonella*, *Shigella*, *Staphylococcus aureus*, *Vibrio cholerae*, *V. parahaemolyticus* etc. The MFB division is equipped with sophisticated instruments such as microarray, FTIR, PFGE, Bioanalyzer, real time PCR etc. The division continually supports the seafood industry by providing services for testing OIE listed viral pathogens of shellfish, determining Clostridium botulinum toxins in crabmeat and identification of spoilage flora associated with seafood products thereby ensuring seafood safety and contributing to achieve the goal of nutrition to all.

Antimicrobial resistance (AMR) in fisheries

AMR has been recognized as a global threat to human and animal health. Globally, aquaculture is gaining momentum and is destined to play a pivotal role in meeting the growing protein requirements of the world. Inappropriate use (overuse, misuse and non-label use) of antibiiotics in food producing animals including aquaculture drives the emergence of AMR in bacteria associated with different niche. Anti-biotic use in humans, animals and agriculture result in dispersion of

AMR in to aquatic reservoirs thus making the aquatic environemnt a hotbed for emrgence and spread of AMR. Moreover, in aquaculture health management, it is not possible to treat individual animals and is done through metaphylaxis. This might lead to development of AMR in aquatic bacteria that might potentially be genetically transferred to human pathogens or fish pathogens compromising human and aquatic animal health.

CIFT and AMR

CIFT has taken up several studies to elucidate the problems of antimicrobial resistance in fish, fishery products and aquatic environment. Research is being pursued on emerging antibiotic resistance bacteria such as MRSA and ESBL *E.coli*, antibiotic resistance problems of seafoodborne pathogens, prevalence of multidrug resistance in pathogens of fish and shellfish. CIFT is a co- partnering institute for conducting research on AMR under the aegis of ICAR-INFAAR network. The institute is also recognized by FAO, WHO, various state and central government agencies for drafting the national as well as state action plans in combating AMR menace across the sectors. CIFT is recognized as the nodal agency in Kerala Anti-microbial Resistance State Action Plan (KARSAP).

National Seminar

The need of the hour is to actively deliberate to assess the status of AMR in bacteria associated with food production systems in general and aquatic animal production system in particular and to devise mitigation strategies to combat antimicrobial resistance through drug regulation, drug stewardship, and research on alternatives to antibiotics. On the eve of the World Antibiotic Awareness Week 2019, SOFTI and ICAR-CIFT are organizing a National Seminar National Seminar on ‘AMR in Indian Fisheries: Measures of Mitigation’ for discussing the latest developments in AMR in fisheries sector in the Indian context and strategize mitigation action plans. The seminar provides a platform for young researchers to discuss pertinent issues with experts in the field of AMR.