Travel, food, and accommodation: The candidates selected for participation in the training will be provided with food, travel expences limited to sleeper class in train and accomodation. Travel, food & accommodation expenses of candidates belonging to SC category will be borne by ICAR-CIFT as per respective programme guidelines of Govt. of India.

Venue and Location: Microbiology Fermentation and Biotechnology Division, ICAR- CIFT, CIFT Junction, Matsyapuri post, Willingdon Island, Kochi, Kerala-682029.

ICAR-CIFT Trainee Hostel

ICAR-CIFT, Kochi

Important Dates

Last date for receipt of applications: **20th December 2025**

Intimation of Selection: **22nd December 2025**

Last date of confirmation by Participants: **25th December 2025**

Address of course Director

Dr. T. Raja Swaminathan

Principal Scientist & Head

Microbiology Fermentation and Biotechnology Division

ICAR-Central Institute of Fisheries Technology

CIFT Junction, Willingdon Island Matsyapuri post, Kochi, Kerala PIN: 682029

Email ID: mfbdvn.training@gmail.com; mfbdvn@gmail.com

Hands-on Training programme on

One Health Approach on AMR pathogens

(under SCSP)

5th - 10th January, 2026

Program Director

Dr. George Ninan

Course Directors

Dr. T. Raja Swaminathan

Dr. G.K. Sivaraman

Course- coordinators

Dr. Greeshma S.S.

Mrs. Muthulakshmi T.

Shri. Gattu Rudrappa

Conducted by

Microbiology Fermentation and Biotechnology Division

ICAR-Central Institute of Fisheries Technology

CIFT Junction, Willingdon Island Matsyapuri post, Kochi, Kerala PIN: 682029

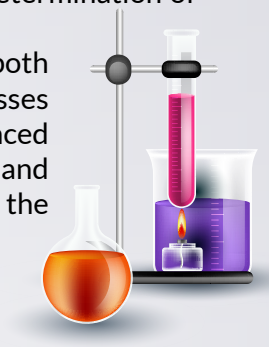
CIFT/BMMB/02/2025-05

About us: 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: 2017 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 transfers 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 aquaculture probiotics. The MFB division is equipped with sophisticated instruments such as microarray, FTIR, PFGE, Bio-analyzer, real-time PCR, Automated bacteria identification and AST system etc. The division continually supports the seafood industry by providing services for testing WOAH-listed viral pathogens of shellfish, determining Clostridium botulinum toxins in seafood, and identification of spoilage flora associated with seafood products thereby ensuring seafood safety and contributing to achieving the goal of nutrition for all. MFB division is identified as the centre for INFAAR/AINP-AMR network project on "Assessment of antimicrobial resistance in microorganisms associated with fisheries and aquaculture in India".

About the training: The present course is aimed for Scientists, Assistant Professors, PhD Scholars, Master's degree students pursuing in the area of Microbiology, Biotechnology (M.Sc Microbiology/ Biotechnology). The objective of this course is to expose the participants to the recent advancements in AMR pathogens isolation, identification, determination of AST, MIC & molecular detection.

The programme is designed to give equal significance to both theory and practical exposure. The present course encompasses sharing of knowledge and skills pertaining to advanced microbiological and molecular techniques in detection and charactrisation of antimicrobial resistance for improving the competence of students in Biological Sciences.



Broadly, the following topics shall be covered in the training:

- Isolation and identification of bacteria of public health significance
- Phenotypic and genotypic detection of AMR
- Advanced methods in AMR detection
- Role of gut microbiome study in AMR
- AMR alert and stewardship programme

Duration: The training is of 6 days duration and is scheduled to be organized during 5th-10th January, 2026. Outstation participants are required to reach ICAR-CIFT latest by the evening of 4th January, 2026. The participants are advised to plan their return journey after 5:00 PM on 10th January, 2026.

Eligibility: Postgraduate and undergraduate students of SC category pursuing in Microbiology, Biotechnology and life science are eligible to apply. A total of 25 candidates shall be selected for the course. A screening committee shall make the selection of the candidates as per the guidelines of ICAR. The selected candidates shall be intimated regarding their selection for training on 25th December 2025.

Procedure of participation: Eligible candidates may download the application format from the ICAR-CIFT website or they can prepare as per the format given in the brochure. The participants may send the application form duly filled in and approved by the competent authority of the organization to the Course Director at the address given in the brochure by email (mfbdvn.training@gmail.com; mfbdvun@gmail.com) or post.