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Biochemistry & Nutrition Division

ICAR-Central Institute of Fisheries Technology,

Kochi-682029

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BIOCHEMISTRY AND NUTRITION DIVISION

Eligibility

This special capacity-building programme is open to SC-category postgraduate and final-year undergraduate students in Biochemistry, Chemistry, Nutrition, Food Technology, Fisheries, or Life Sciences from recognized Agricultural Universities and colleges. A total of 15 candidates will be selected and notified directly.

Organised by



Biochemistry & Nutrition Division
ICAR-Central Institute of Fisheries
Technology Willingdon Island
Matsya Puri P O, Kochi-682029



ICAR-Funded SCSP Skill Development Program

“Hands on Training in
Modern Analytical
Techniques in Seafood
Biochemistry & Nutrition”
12th – 16th October 2026



Training Highlights

1. Modern Analytical Instruments

- ✓ HPLC - Vitamin analysis ,
- ✓ GCMS - Fatty acid profiling,
- ✓ DLS-Particle size analysis,
- ✓ AAS: Micro & Macro Nutrient Elemental Analysis,
- ✓ FT-NIR: Characterization of biopolymers and bioactive compounds

2. Seafood quality and nutritional analysis

3. Animal house orientation and experimental models

4. Basic cell culture techniques

5. Research Methodologies and Data interpretation

Core Research Areas of B&N division

1. Marine Bioprospecting & Bioactive Extraction

Division focuses on isolating high-value marine bioactive molecules using eco-friendly green extraction technologies, supported by rigorous structural elucidation to decode their chemical compositions and functional properties.

2. Seafood Quality & Nutritional Profiling

Division is specialized in comprehensive macro and micronutrient analysis to evaluate fish nutritional value, paired with rigorous contaminant and toxin screening to ensure food safety and regulatory compliance.

3. Functional Foods & Aquaculture Supplements

This division focuses on formulating bio-functional, value-added supplements for human health and developing high-performance feeds to enhance aquaculture feed security and sustainable aquatic species production.

4. Advanced Bioactivity Facilities (In-Vitro & In-Vivo)

The Advanced Bioactivity Facilities unit within the division drives pre-clinical research through cell culture & in-vitro assays to evaluate molecular mechanisms, complemented by robust in-vivo studies to validate physiological efficacy and safety.

Travel, food and accommodation

Selected candidates will receive food, shared accommodation at the ICAR-CIFT Trainees Hostel (per ICAR norms), and reimbursement for round-trip travel expenses.

Duration

The 5-day training runs from October 12 to October 16, 2026. Outstation participants must arrive at ICAR-CIFT by the evening of October 11, 2026, and can plan their return journey for the evening of October 16, 2026.

Application

To apply, email us your Name, Mobile Number, Email, Gender, Address, and Qualification along with Community certificate.

Last date of application: 30.09.2026

Selection Intimation Date: 06.10.2026

