

Registration fee

Registration fee of Rs. 50/- (18% GST + 1% Flood Cess extra) may be submitted at the time of their registration for joining the Short course. There is no other fee for the training programme for regular faculty of SAUs/CAUs and scientists of ICAR.

Boarding and lodging

Free boarding and lodging will be provided to the participants in the Institute's Trainees' Hostel/guest house as per ICAR guidelines. The Institute has trainees' hostel with dining facility at ICAR-CIFT residential campus, Perumanoor, Thevara. The participants should abide by the rules and regulations of the trainees' hostel/guest house. Participants are requested not to bring their family members due to limited accommodation facility.

Travel

The participants will be paid to and for travel fare by train or bus (or by any other means of transport in vogue), restricted to AC-II tier train, for the journey from the place of duty to ICAR-CIFT and back by the shortest route on production of valid travel documents.

How to reach CIFT

ICAR-CIFT, Kochi is located about 6.5 km from Ernakulam South railway station, about 9 km from Ernakulam North and about 35 km from Cochin international airport. Pre-paid Uber/Ola auto/taxi facilities are available from railway stations and airport to Institute.

Important dates

Last date for receipt of application: 24th October 2019

Intimation of selection: 31st October 2019

Course Co-ordinators

Dr. Murali S. (Scientist)

Er. Alfiya P.V. (Scientist)

Dr. Aniesrani Delfiya D.S. (Scientist)

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Contact for further details

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Short Course
on



Recent Advances In Post-harvest Fisheries Engineering

Venue: ICAR-CIFT, Kochi
Date: 13-22 November 2019

Course Director
Dr. Manoj P. Samuel



Sponsored by
**Indian Council of Agricultural Research
New Delhi**

Organized by
**Engineering Division
ICAR-Central Institute of Fisheries Technology**
CIFT Junction, Willingdon Island,
Matsyapuri P.O., Kochi- 682029, Kerala

ICAR Sponsored Short Course on Recent Advances in Post-harvest Fisheries Engineering

About ICAR-CIFT

Central Institute of Fisheries Technology (CIFT) under the Indian Council of Agricultural Research (ICAR), New Delhi, is the only technology Institute in India which caters to the broad spectrum of fisheries from harvest to post-harvest operations.

Major achievements of the Institute include ISO 9001- 2008 certification; NABL accreditation on ISO 17025 – 2005; recognized as FSSAI approved referral laboratory; development of e-depository in library system and Business Incubation Centre and pilot plant for transfer of technology. ICAR-CIFT is actively involved in the development of energy efficient solar hybrid dryers with LPG, electrical and biomass back-up heating systems, fish descaling machine, ergonomic and gender friendly designs of fish vending equipments, non-destructive methods for fish freshness assessment, and energy and water optimization techniques for seafood industries.

Background

In the recent years, India has made notable advances in both marine and inland fishery sectors. Particularly, a paradigm shift has been observed in the post harvest fisheries sector in the past one decade towards more energy-efficient, cost-effective equipment and instruments, quality upgradation and green engineering interventions. Fisheries engineering is evolving as an important domain in both pre and post-harvest scenarios. It will also aid in developing efficient fish processing technologies, optimizing energy and water use in sea food industries, mitigating climate change related issues and reducing carbon footprint. It is important to explore ways to incorporate engineering tools and techniques to obtain, quantify and integrate industry responses towards responsible fisheries and ecosystem-based sustainable management of fish resources.

Engineering interventions in post-harvest fisheries sector would play a greater role in reducing labour drudgery and time consumption in the area of fish processing and preservation while maintaining quality and safety of the products. It includes curing, drying and dehydration techniques; biosensors for fish quality and safety assessment; instruments, equipments and mobile gadgets for fish processing and preservation; energy and water use auditing and optimization in sea food processing industries, etc.

The emerging thrust areas like sustainability, affordability, adaptability, use of clean-green energy and reducing GHG emissions have to be given due consideration while designing and developing technologies. Transfer of technologies to the stake holders is of utmost importance and thus requires concerted effort.

In this context, this short course mainly aims to highlight the novel engineering techniques for value addition of fish and other fishery products; advanced sensors, instruments, electronic gadgets and equipments for fish handling; processing, preservation and quality assessment. It also provides a platform to discuss about the energy and water use pattern in sea food processing industries and its optimization methodologies for effective saving of energy and cost in the process lines.

Course content

- Novel drying/ dehydration techniques in fish processing and preservation
- Renewable energy systems for fish harvest and post harvest
- Handling and pre-processing of fish for drying
- Performance evaluation studies of ICAR-CIFT dryers
- Quality evaluation of dried fish products
- Advanced packaging techniques for dried and chilled fish products
- Value added products from fish
- Advances in design of craft and gears
- Modern instruments for fish handling and preservation
- Monitoring and targeting system - application to conserve energy and water in fish processing plants
- Electronic monitoring and sensors
- Entrepreneurship and skill development - New approaches
- Engineering tools and techniques for post- harvest fisheries.

Eligibility

Applicants should be from ICAR Institutes/ State AUs/ CAU/ Agricultural faculty of AMU, BHU, Visva Bharati and Nagaland University in the cadre of Assistant professors or equivalent and above.

How to apply

Guidelines for submission of online application

- Login on CBP portal: <https://cbp.icar.gov.in/applyDetails.aspx>
Login using your User ID and Password. If not having account in this portal 'Create New Account' and then login.
- Participate in Training: After login, click on "Participate in Training" link, find out the name of this training and fill the required field. Take a printout of filled application form, sign it and get it duly forwarded by the competent authority of your institution. Then scan and upload the approved copy at the above mentioned portal.
- Selected candidates will be informed by 31st October 2019.