

Online Training for Master Trainers
on
Fish & Marine Products Processing
04.01.2021 to 08.01.2021

Organized by
ICAR-Central Institute of Fisheries Technology
In association with
Indian Institute of Food Processing Technology (IIFPT)

Inaugural Session Details

04.01.2021 (Monday)

Session

Time: 10.20 am -10.30 am

The Training of Master Trainer's Program in the domain of Fish & Marine Processing under PM FME scheme was inaugurated by Dr Ravishankar, C. N., Director, ICAR-CIFT. The participation in training program was from 15 states having 27 participants.

Session Details

Time: 10.30 am -11.30 am

Session Topic: Overview on PMFME Scheme.

Speaker Detail: Dr. V. R. Sinija Professor & Head, FPBIC, IIFPT.

Session Highlights:

The session was about holistic inputs on food processing sub segments and India's position in those sub segments. The next part of the session provided overview about the PMFME scheme, various guidelines related to capacity building and introducing the concept of ODOP. Various queries were answered related to scheme assistance and ODOP.

Day 1: 04.01.2021 (Monday)

Session Details:

11.30 am -01.00 pm	Status, market size and scope of fish and marine food processing industry in India	Dr.Karthikeyan Director, Marine Products Export Developmental Authority, Kochi
01.30 pm -02.30 pm	Fish supply chain in India	Dr. Nikita Gopal Principal Scientist, EIS Division, ICAR-CIFT
02.30 pm -04.30 pm	Design and layout of fish processing units	Dr. Ashok Kumar Head, Fish Processing Division, ICAR-CIFT
04.30 pm -05.30 pm	Handling, Chilling and freezing of fishery products	Dr.George Ninan Principal Scientist, Fish Processing Division, ICAR-CIFT

5.30pm- 07.00pm Self-learning

The sessions involved overview on the status, market size and scope of fish and marine food processing industry in India. A detailed session was taken on the Fish supply chain in India, what are the challenges occur at different stages of supply chain. Further insights were given on the design and layout of fish processing units, what are the parameters affecting the design and layout. The day was ended up with an interactive session on handling, chilling and freezing of fishery products followed by self-learning program. Various techniques of chilling and freezing were discussed which can prevent the deterioration of products and can enhance the shelf life of product.

Day 2: 05.01.2021 (Tuesday)

Session Details:

09.30 am -11.00 am	Machinery and equipment involved in unit operation of fish and marine food processing	Mr. Sreejith S. Scientist, Fish Processing Division, ICAR-CIFT
11.00 am -12.00 pm	Salt curing, smoking & drying of fishery products	Dr. Satish Kumar Scientist, Fish Processing Division, ICAR-CIFT
12.00 pm -01.00 pm	Thermal processing of fish	Dr. C.O. Mohan Senior Scientist, Fish Processing Division, ICAR-CIFT
01.30 pm -02.30 pm	Surimi & other mince based fishery products	Dr. K. Elavarasan Scientist, Fish Processing Division, ICAR-CIFT
02.30 pm-04.00 pm	Coated fish products	Mrs. K.R. Sreelakshmi Scientist, Fish Processing Division, ICAR-CIFT
04.00 pm -05.00 pm	Speciality fish products	Dr. Parvathy U. Scientist, Fish Processing Division, ICAR-CIFT
05.00 pm -06.00 pm	Self-learning	

The day was started with detailed discussion on various machineries and equipments used for processing of fish and marine products. Detailed insights were given on the preservation techniques of fish products including salt curing, smoking and drying. Further advance techniques of preservation were discussed including thermal technologies, and how these can affect the shelf life of the product. The day was ended up with the interactive sessions on the value added fish based products including surimi, other minced fishery products, coated fish products and speciality fish products followed by self-learning session.

Day 3: 06.01.2021 (Wednesday)

09.30 am -10.30 am	Advanced fish processing technologies	Dr. Sarika K. Scientist, Fish Processing Division, ICAR-CIFT
10.30 am -11.30 am	Fishery waste utilization	Dr. Binsi P.K. Scientist, Fish Processing Division, ICAR-CIFT
11.30 am -01.00 pm	Regulations for exporting marine products	Shri. Jayapalan Deputy Director, Export Inspection Agency, Kochi
01.30 pm -03.00 pm	Packaging of fishery products	Dr. J. Bindu Principal Scientist, Fish Processing Division, ICAR-CIFT
03.00 pm -04.00 pm	Recent advances in packaging of fishery products	Dr. C.O. Mohan Senior Scientist, Fish Processing Division, ICAR-CIFT
04.00 pm -05.30 pm	Entrepreneurship opportunities in fishery products	Dr. George Ninan Principal Scientist, Fish Processing Division, ICAR-CIFT

The sessions involved the detailed discussion on advanced fish processing technologies. Further insights were given on how to utilize the waste generated after processing fishery products. An interactive session was taken up on the regulations associated with exporting the fish and fish based products. In depth information was given on the various packaging material available in market, the selection criteria of packaging material and how it will retard the process of deterioration and extend the shelf life of the products, further adding to this details were given on the recent advances in the packaging of fishery products. The day was ended up with a session on entrepreneurship opportunities in fishery products.



Day 4: 07.01.2021 (Thursday)

09.30 am -10.30 am	Quality assessment of fishery products: Notified NABL labs, Referral Labs and Reference Labs in India for fishery products	Dr. A.A. Zynudheen Head, Quality Assurance & Management Division, ICAR-CIFT
10.30 am -11.30 am	FSSAI regulations on packaging and labelling requirements	Dr. Remya S. Scientist, Quality Assurance & Management Division, ICAR-CIFT
11.30 am -01.00 pm	FSSAI registration and licensing procedure	Dr. Sanu Jacob Director (Lab Training and Surveillance), Food Safety and Standards Authority of India
01.30 pm -02.30 pm	GMP, GHP, GLP practices relevant to fish and marine food processing	Dr. Pankaj Kishore Scientist, Quality Assurance & Management Division, ICAR-CIFT
02.30 pm -04.00 pm	Regulations and standards for maintaining safety and quality of fish products - FSSAI and International standards	Dr. S.K. Panda Principal Scientist, Quality Assurance & Management Division, ICAR-CIFT
04.00 pm -05.00 pm	HACCP implementation for fishery products	Dr. Devananda Uchoi Scientist, Quality Assurance & Management Division, ICAR-CIFT
05.00 pm -06.00 pm	Demo/Self learning	

The day was started with detailed session on Quality assessment of fishery products: Notified NABL labs, Referral Labs and Reference Labs in India for fishery products, what is the need of quality assessment and characteristics of NABL labs. Further insights were given on the FSSAI regulations associated with food packaging and labelling and registration and licensing procedure. Further interactive sessions were taken on importance of GMP, GHP & GLP practices relevant to fish and marine products processing. The day was ended up with detailed lectures on national & international standards of safety and quality and HAACP implementation for fishery products.

Day 5: 08.01.2021 (Friday)

09.30 am -01.30 pm	Soft skills and communication: Importance of soft skills and communication, Effective communication skills, Networking skills, Leadership and teaming up, Problem, Stress and Emotional management	Mr. Abdul Latheef Facebook Lead Trainer India Grow Your Business Project
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The session was on emotional self-management, leadership, and teaming skills. The session was more practical and interactive, with participants been involved through videos, surveys and discussions. Illustrative discussion on Entrepreneurial Approach / Mind-set was carried out describing characteristics and mind set, states of behaviour and personality types. The session involved assessing networking skills, leadership capabilities and characteristics, networking dynamics and team skills.

State wise participant details for Grain processing training program:

State/ UT	Number of Participants
Andaman and Nicobar Islands	1
Chattisgarh	2
Dadra and Nagar Haveli and Daman and Diu	1
Himachal Pradesh	1
Karnataka	3
Kerala	3
Maharashtra	2
Nagaland	1
Odisha	2
Puducherry	1
Punjab	2
Rajasthan	2
Sikkim	1
Tamil Nadu	4
Telangana	1
Total	27
