



**Centre for Agricultural Market Intelligence, NAHEP-CAAST  
Anand Agricultural University, Anand  
&  
ICAR - Central Marine Fisheries Research Institute, Kochi, Kerala  
Jointly organize**

**Five days Online Training Programme  
on  
Fish, Food and Future in the 21<sup>st</sup> Century  
20<sup>th</sup> to 24<sup>th</sup> September, 2021**

**Patrons**

**Dr. K. B. Kathiria**  
Vice Chancellor  
Anand Agricultural University  
Anand

**Dr. R. C. Agarwal**  
DDG (Education)  
National Director (NAHEP)  
ICAR, New Delhi

**Dr. A. Gopalakrishnan**  
Director  
ICAR-CMFRI  
Kochi, Kerala

**Chief Guest &  
Key note Speaker**

**Dr. Joykrushna Jena**  
Deputy Director General  
(Fisheries Science)  
ICAR, New Delhi

**Programme Advisors**

**Dr. Prabhat Kumar**  
National Coordinator  
NAHEP-CAAST  
ICAR, New Delhi

**Dr. M. K. Jhala**  
Director of Research  
& Dean PG Studies  
AAU, Anand

**Convener**

**Dr. R. S. Pundir**  
Principal & Dean, IABMI and  
PI, NAHEP-CAAST  
AAU, Anand

**Organizing Secretary**

**Dr. Ramachandran C.**  
Principal Scientist, ICAR-CMFRI  
Kochi, Kerala

**Dr. Shaktiranjan Panigrahy**  
Assistant Professor  
IABMI, AAU

**Joint Organizing Secretary**

**Dr. Vinaya Kumar H.M**  
Assistant Professor  
BACA, AAU

**Dr. Reshma Gills**  
Scientist  
ICAR-CMFRI, Kochi, Kerala

**Dr. Y.A. Lad**  
Associate Professor  
IABMI, AAU

**Registration link :** <https://forms.gle/cWy1XSfGMWpJf2HY>



## Background:

Anand Agricultural University has been awarded an ICAR- World bank funded project to establish Centre for Agricultural Market Intelligence. The project is comprehensive in nature and encompasses all important issues including demand-supply predictions and price forecasting apart from using satellite imageries for model building, farmer producer organizations for realizing better prices, continuous studying and monitoring of e-NAM linked APMCs, and private sector involvements with focus on PPP mode. Rigorous analysis of trade related aspects and prompt dissemination of the distilled information to the stakeholders is a vital segment of the projects to understand the linkages between national and international markets, export potential and changing policy environment.

## About NAHEP- CAAST:

Centre for Advanced Agricultural Science and Technology (CAAST) is a student centric subcomponent of the World Bank sponsored National Agricultural Higher Education Project (NAHEP) granted to AAU, Anand to provide a platform for strengthening educational and research activities of post graduate and doctoral students.

## About the Training:

The Indian Fisheries sector has witnessed a major transformation in the past six decades transforming from traditional activity in early fifties into a significant commercial enterprise contributing significantly to employment generation, food and nutritional security and foreign exchange earnings. Being home for more than 10 percent of global fish biodiversity and vast water resources with variety of aquatic flora and fauna, the country offers a huge opportunity to exploit these resources for domestic consumption as well as for expanding export market. Further, the demand for fish and fishery products is rapidly increasing on account of rising income, unfolding globalization, changing consumption behavior and food habits etc. There are however, concerns regarding the stagnating marine fisheries yields, quality deterioration and unregulated access in open waters and unstable returns from aquaculture practices. In this context; the present training is an attempt to deliberate on the important issues concerning the resilience and sustainability of marine fisheries and aquaculture respectively.

## Purpose and Objective:

The five-day training on the theme “Fish food and future in the 21st century” aims to provide reliable and updated knowledgebase on important areas of domestic fish ecosystem including fisheries production and marketing systems, domestic fish supply chains, impact of fishery cooperatives on livelihood activities of fisherfolks, development strategies for the mariculture, along with implications of climate change on marine fisheries. Responsible fisheries in a common property regime along with transfer of technology aspects are also going to be covered.

## Course Contents:

- **Fish production system and stock assessment**
- **Fisheries domestic marketing and supply chain management**
- **Seafood export: Reflections and Outcomes**
- **Impacts of Fisheries Co-operative on the Livelihood Activities of Marine Fisherfolks**
- **Climate change and marine fisheries**
- **Approach to mariculture; problems, and development strategies**
- **Transfer of technology and Responsible fisheries in a common property regime.**
- **Innovative concept in fish marketing.**



# : Programme Schedule :

Sr.No	Time	Topic	Resource Person
<b>Day-1</b>		<b>20-09-2021</b> Monday	
1	10:00 to 13:00	Inaugural Function Key Note Address by	<b>Dr. Joykrushna Jena</b> Deputy Director General (Fisheries Science), ICAR, New Delhi
2	14:00 to 17:00	An overview of Marine fish production system and stock assessment	<b>Dr. J Jayasankar</b> Principal Scientist, FRAD
<b>Day-2</b>		<b>21-09-2021</b> Tuesday	
3	10:00 to 13:00	Marine fisheries economics in Indian Perspectives	<b>Dr. Narayana Kumar</b> Principal Scientist & SIC Chennai, Centre of CMFRI
4	14:00 to 17:00	Seafood export: Reflections and Outcomes	<b>Dr. Shyam S Salim</b> Principal Scientist, SEETTD
<b>Day-3</b>		<b>22-09-2021</b> Wednesday	
5	10:00 to 11:30	Co-operative in Fisheries: How it impacts the Livelihood Activities of Marine Fisherfolk – A case of Mathsyafed	<b>Mr. Surendran P.</b> Retd. Deputy General Manager Mathsyafed
6	11:30 to 13:00	Fish Production in an Impounded Water Environment	<b>Dr. P.C. Das</b> Principal Scientist ICAR, CIFA, Bhubaneswar
7	14:00 to 17:00	Climate change and marine fisheries	<b>Dr. P.U. Zacharia</b> Head and Principal Scientist DFD
<b>Day-4</b>		<b>23-09-2021</b> Thursday	
8	10:00 to 11:30	Island ecosystem based marine fisheries: A case of Lakshadweep	<b>Dr. Mhd. Koya</b> Scientist KVK-Lakshadweep
9	11:30 to 13:00	Zingalala: An innovative concept in domestic shrimp marketing	<b>Dr. Manoj Sharma</b> Founder and CEO Mayank Aquaculture
10	14:00 to 17:00	Approach to mariculture, problems, and development strategies: Insights from field studies (seaweed and cage culture)	<b>Dr. Divu D</b> Scientist & SIC Regional Station, Veraval
<b>Day-5</b>		<b>24-09-2021</b> Friday	
11	10:00 to 11:30	Transfer of technology and Responsible fisheries in a common property regime	<b>Dr. C. Ramachandran</b> I/C- HOD, SEETTD
12	11:30 to 13:00	Strategies for Improving the Efficiency of Marine Fish Value Chains in India	<b>Dr. Shinoj P</b> Senior Scientist, SEETTD
13	14:00 to 17:00	Plenary Session	Organizing Committee Members of CMFRI, Kochi, Kerala & NAHEP-CAAST, AAU, Anand