विशाखपट्टनम क्षेत्रीय केंद्र, भा. कृ.अनु.प, केन्द्रीय समुद्री मात्स्यिकी अनुसंधान संस्थान, विशाखपट्टनम 🛲 Visakhapatnam Regional Centre, ICAR-Central Marine Fisheries Research Institute

जलजीव पालन में समुदी पख मछली एवं कवच मछली के स्वास्थ्य प्रबंधन में सूक्ष्मजैविक हस्तक्षेपों पर प्रशिक्षण TRAINING ON "MICROBIAL INTERVENTIONS IN HEALTH MANAGEMENT OF MARINE FINFISH AND SHELLFISH AQUACULTURE"



# **ABOUT THE PROGRAMME**

Mariculture in India has gained significant importance and is expanding rapidly in recent years. Microorganisms, occurring naturally or being introduced artificially, play a crucial role in aquaculture and serve various purposes. It is essential to investigate both the beneficial and pathogenic microorganisms thoroughly, in order to understand their characteristics and potential applications in Mariculture. Through a comprehensive understanding of these microbes, we can manipulate and utilize them for beneficial purposes in the field of Mariculture effectively, for which it is necessary to understand the role of microbes and their interventions at every stage of cultured marine finfish (larval, nursery, and grow-out stages). The present training program focuses on a wide range of topics, including fish pathogens, probiotics, tools and techniques for isolation and identification of microbes and fish microbiome, preventive and control measures for fish disease outbreaks, antimicrobial resistance, bioremediation techniques, better management practices and biosecurity protocols in mariculture systems. The objective of this program is to provide professionals with vitally important knowledge in Health Management of marine and coastal aquaculture effectively and sustainably.

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### **COURSE DURATION**

5 days (11<sup>th</sup> to 15<sup>th</sup> March, 2024)

#### WHO CAN APPLY

Government officials (State and Central), Academicians, Lab/Farm Technicians, Researchers, Students, Farmers, Entrepreneurs and Industry representatives, who are interested in health management of fish in marine and coastal waters can apply for this training programme by filling in the Google Forms.

Interested candidates may apply for the training in the prescribed format on or before 25<sup>th</sup> February 2024.

Please note that all applications must be routed through their respective higher authorities.

Students and Researchers from Universities and colleges must send their applications through their concerned Head/Principal.

Selected candidates will be intimated through mail by  $1^{\mbox{\scriptsize st}}$  March 2024.

#### COURSE FEE

No course fee. This training programme is organized under All India Network Project on Mariculture (AINP-M) funded by Indian Council of Agriculture Research (ICAR).

#### VENUE

Conference Hall, ICAR-CMFRI, Visakhapatnam Regional Centre, Visakhapatnam, Andhra Pradesh, India

# **HOW TO REACH**

Visakhapatnam is well connected by air, rail and road to most neighboring regions and important cities, towns, etc.

# TRAVEL

The expenditure on travel has to be borne by the participants only.

# BOARDING AND LODGING

Boarding and lodging has to be borne by the participants. ICAR-CMFRI Indian Pompano Farmers Guest house facility may be provided to the trainees, subject to availability, with charges as per ICAR norms. If guesthouse is not available, participants shall be given guidance to find suitable accommodation in the vicinity. Selected candidates may approach the Incharge of Guest House for the availability of rooms.

#### **CONTACT DETAILS**

Head, Visakhapatnam Regional Centre, ICAR- Central Marine Fisheries Research Institute, Visakhapatnam-530003, Andhra Pradesh, India.

Fill the proforma in Google form (link: http://surl.li/qiydc) and send the application form through e-mail to vskpmariculture@gmail.com

All communications/queries may be sent to jayasree.loka@icar.gov.in & vskpmariculture@gmail.com

#### ORGANIZING TEAM

**Project Coordinator**: Dr. Boby Ignatius, Principal Scientist, Mariculture Division & Scientist In Charge, PME Cell, ICAR-CMFRI, Kochi

**Training Coordinator:** Dr. Jayasree Loka, Principal Scientist, Mariculture Division, Visakhapatnam Regional Centre of ICAR-CMFRI.

Email: jayasree.loka@icar.gov.in

#### **Co-coordinators:**

Dr. Joe K. Kizhakudan, Principal Scientist & Head, Visakhapatnam Regional Centre, ICAR- CMFRI Dr.Ritesh Ranjan, Senior Scientist, VRC, ICAR-CMFRI Dr.Biji Xavier, Senior Scientist, VRC, ICAR-CMFRI Dr.Sekar Megarajan, Senior Scientist, VRC, ICAR-CMFRI

#### **FUNDING SOURCE**

All India Network Project on Mariculture (AINP-M), ICAR, New Delhi

Important dates Training schedule: 11-15, March, 2024; Last Date for Application:25.2.2024 Confirmation letter for selected candidates: 01.03.2024 Last Date for confirmation of participation from Selected Candidates: on or before 05.03.2024

# **APPLICATION FORM FOR FIVE DAY TRAINING COURSE**



# VISAKHAPATNAM REGIONAL CENTRE ICAR-CENTRAL MARINE FISHERIES RESEARCH INSTITUTE PANDURANGAPURAM, VISAKHAPATNAM-530003 ANDHRA PRADESH, INDIA



# **Training Course Applied for :**

Title (Mr/Ms./Mrs/Dr./Prof.)	
Name	
Designation	
Working Organization	
Current status	
Address for communication	
Contact details	
Nationality	
Qualification	
Your job description:	
(Restrict to 200 words)	
How will this training help you? :	
(Restrict to 200 words)	

Name: .....

Date:....

Signature:....

# Signature of Recommending Authority

Fill google form : http://surl.li/qiydc and Send a fully completed application by E-mail to Training Coordinator, Visakhapatnam Regional Centre, ICAR-Central Marine Fisheries Research Institute, Pandurangapuram, Visakhapatnam-530003, India. E-mail: jayasree.loka@icar.gov.in, vskpmariculture@gmail.com NOTE: ALL APPLICATIONS MUST BE ROUTED THROUGH THEIR RESPECTIVE HIGHER AUTHORITIES.