National Institute of Agricultural Extension Management,
Hyderabad

Partnership with

College of Fisheries Science

St. Devasahayam Institute of Fisheries Science and Technology,
Midalam, Kanniyakumari District- 629 193

Online Collaborative National Capacity Building Program (3 Days)

"Life Cycle Assessments (LCA) in Aquaculture Systems to Promote Sustainable Fish Production Goals"

Date: **7th – 9th August, 2024**

Venue: **DIFST, Midalam**

Dr. P. Chandra Shekara
Director General
MANAGE, Hyderabad

Prof. S. Felix
Course Director & Dean
DIFST

Dr. K. Sai Maheswari
Course Director
MANAGE, Hyderabad

'Life Cycle Assessments (LCA) in Aquaculture Systems to Promote Sustainable Fish Production Goals'

INTRODUCTION

DIFST and MANAGE are collaborating to host an Online capacity building program titled “Life Cycle Assessments (LCA) in Aquaculture Systems to Promote Sustainable Fish Production Goals." This initiative aims to equip participants with the skills to conduct life cycle assessments, which study the environmental and other potential impacts of a product throughout its entire life cycle, from raw material extraction to production, use, and disposal. LCA can also be applied to assess the environmental impacts of a process or service from design to disposal. By identifying ways to mitigate environmental impacts and generate cost savings, LCA supports risk management and improves systems. Additionally, it aids in decision-making for companies in areas such as purchasing, product design, process selection, and waste management strategies.

Objective

- To infuse the importance of Life Cycle Assessment (LCA) in aquaculture systems by emphasizing its significance to the stakeholders
- To discuss and develop Trainers /Trainee on the Life Cycle Assessment of aquaculture systems

Eligibility for Participation

- Industrialists, Processors, Farmers, Officials of State/Central Fisheries Departments, Faculty of SAUs/KVKs/ICAR institutes are eligible to apply.
- Its Free!

Dates : August 7-9, 2024

Proposed online Platform: Cisco Webex

How to Apply

The participation can apply online on MANAGE website and also with the help of link given below.

https://www.manage.gov.in/trgModule/emailRegn.asp?tpno=EKF&tpyear=FDFH

The selection of participants and details guidelines of training program will be intimated through e-mail. Upon selection they should immediately confirm their participation.

Last Date for Applying online : 6th August, 2024, 5:30 pm

Selection of candidates: Selected candidates will be intimated on 6th August 2024 by e-mail/phone.

Online examination

An online test will be conducted on 9th August 2024, 4:00-4:30 pm in which the participants have to respond 25 multiple choice questions through google forms.

Criteria for Certification

- Full time attendance
- Minimum 40% score in Online Exam

Program Feedback

The participants have to rate each session as feedback which will be incorporated through online mode.

Online Training Program on Life Cycle Assessments (LCA) in Aquaculture Systems to Promote Sustainable Development Goals

Day 1: 7.8.2024			
Time	**Topic**	**Resource Persons**	
10.20 am - 10.30 am	Welcome and discussion on Course Content, Training objectives & Training Schedule	**Dr. K. Sai Maheswari** Assistant Director, MANAGE, Hyderabad	
10.30 am - 10.40 am	Welcome Address	**Prof. S. Felix** Dean, DIFST, Midalam	
10.40 am - 10.45 am	Vote of Thanks		
10.45 am - 11.45 am	Need of LCA of Aquaculture Systems in India	**Prof.S.Felix** Dean DIFST, Midalam.	
11.45 am- 12.45 pm	Importance and application of Life Cycle Assessment in aquaculture	**Dr. Debajit Sarma,** Principal Scientist & Head ICAR-CIFE, Mumbai	
01.00 pm - 2.15 pm	Lunch Break		
2.15 pm - 3.15 pm	Life Cycle Assessment of Aquaculture Water Quality Management Strategies	**Dr.Prem Kumar,** Senior Scientist ICAR-CIBA, West Bengal	
3.15 pm - 4.15 pm	Life cycle pattern in Seaweeds and its impact on seaweed farming and phytocolloid properties	**Dr.V.Veera Gurunathan** Principal Scientist CSIR-CSMCRI, Mandapam	
4.15 pm - 4.30 pm	Review and close		
Day 2: 8.8.2024			
Time	**Topics**	**Resource Persons**	
10.15 am - 10.30 am	Recall sessions	Course Coordinators/ Participants	
10.30 am - 11.45 am	Emerging Technologies in Aquaculture – an LCA perspective	**Dr. Babitha Rani** Principal Scientist ICAR-CIFE, Mumbai	

11.45 am - 1.00 pm	Economic analysis and environmental trade- offs in fisheries from LCA Perspective	**Dr. Pe. Jeyya Jeyanthi,** Principal Scientist ICAR-CIFT, Kochi	
1.00 pm - 2.15 pm	Lunch Break		
2.15 pm - 3.15 pm	Life Cycle assessment of different freshwater aquaculture production system	**Dr.H.S.Swain** Scientist ICAR, CIFA, Odisha	
3.15 pm - 4.15 pm	Life Cycle Metrices in Multi Trophic Aquaculture	**Dr. MunilKumar** Principal Scientist, ICAR-CIFE, Mumbai	
4.15 - 4.30 pm	Review and close		
Day 3: 9.8.2024			
Time	**Topics**	**Resource Persons**	
10:15 am - 10:30 am	Recall session	Course Coordinators/ Participants	
10.30 am - 11.45 am	Life Cycle Perspective on Social Impacts in Aquaculture	**Dr. R. Kiruba Sankar,** Senior Scientist, ICAR-CIARI, Port Blair	
11.45 am - 1.00 pm	Life Cycle Assessment of Wild Caught and Farmed Seafood	**Dr. Kathirvel Pandian,** Principal Scientist, ICAR-NBFGR, Kochi	
1.00 - 2.15 pm	Lunch break		
2:15 pm - 03:15 pm	Environmental Footprint of Microalgal Culture-Based Systems : A Life Cycle Assessment Approach	**Dr. M. Divya** Assistant Professor DIFST, Midalam	
3.15 - 4.15 pm	MANAGE innovation and initiative for strengthening Agricultural Extension	**Dr. Sai Maheswari** Assistant Director MANAGE, Hyderabad	
4.15 - 4.30 pm	Post Exam, Feedback and Close		

Organizing Committee

DIFST, Midalam	MANAGE, Hyderabad
1. Prof. S. Felix Dean & Course Director **2. Dr. M.Divya** Asst. Professor & Course Co-ordinator Mob: 6369502083 Email: divya.difstedu@gmail.com **3. M.Porkodi** Asst. Professor & Course Co-ordinator Mob: 9787322831 Email: porkodi.difstedu@gmail.com	**1. Dr. K. Sai Maheswari** Asst.Director & Course Director MANAGE, Hyderabad **2. G. Uday Kumar** Course Co-ordinator & Consultant MANAGE, Hyderabad Mobile No: 8247226446 Email: acabc.mp@gmail.com