

3rd INTERNATIONAL CONFERENCE ON

AQUACULTURE AND MARINE BIOLOGY

March 24-25, 2022



THEME: New Advancements in Aquaculture & Marine Biology

<https://conferencemind.com/conference/aquacultureandmarinebiology>

KEYNOTE SESSION

DAY - 1
24th MARCH, 2022

C. GREG LUTZ

Professor, Louisiana State University, USA

TITLE: Producing tilapia in saline waters: theory and practice



10:00 AM - 10:30 AM

KEERTHI THALAKATTIL RAGHAVAN

Professor, Mahatma Gandhi University, India

TITLE: Anti-Microbial Resistance is an emerging threat in aquaculture to achieve One Health Concept



10:30 AM - 10:50 AM

RAKESH RAHUL JADHAV

Assistant Professor, Dr. B.S. Konkan Krishi Vidyapeeth, India

TITLE: Unmanned Aerial Vehicles (UAVs) for sustainable Aquaculture



10:50 AM - 11:10 AM

ORAL SESSION

SOWMIYA CHANDRU

Research Scholar, TNJFU-FCRI, India

TITLE: Overview about Stocking Density Parameters for Pacu



11:10 AM - 11:30 AM

ROSHAN KUMAR RAM

Assistant Professor, College of Fisheries, Dhuli, India

TITLE: Ornamental Fish Diversity of North-Bihar, India: Future scope and prospects



11:30 AM - 11:50 AM

D. LINGA PRABU

Agricultural Research Service-Scientist, ICAR-Tuticorin Regional Station of Central Marine Fisheries Research Institute, India

TITLE: Fishmeal replacement using krill meal in the diet of Orange spotted grouper, *Epinephelus coioides*



11:50 AM - 12:10 PM

VANITA D. REVANKAR

Associate Professor, Vinayaka Missions Sankarachariyar Dental College, India

TITLE: Evaluation of Remineralising potential and microhardness of four different marine skeletal species –*Meretrix meretrix*, *Crassostrea madrasensis*, *Perna viridis* and *Penaeus monodon* on human teeth enamel—An invitro study



12:10 PM - 12:30 PM

JYOTI SAROJ

Guest Faculty, Acharya Narendra Deva University, India

TITLE: Richness and distribution of fish eggs and larvae in the waters of Gulf of Mannar, Tamil Nadu



12:30 PM - 12:50 PM

HIMANSHU S SWAIN

Scientist, ICAR-Central Inland Fisheries Research Institute, India

TITLE: Inland Open Water Cage culture



12:50 PM - 13:10 PM

SUMIT KUMAR

Guest Faculty, Acharya Narendra Deva University of Agriculture and Technology, India

TITLE: Fish diversity and plankton composition of Yamuna River at Haridwar, India



13:10 PM - 13:30 PM

MANMOHAN KUMAR

Assistant Professor, Birsa Agricultural University, India

TITLE: Current Status and Future Prospects of Inland Saline Aquaculture with Reference to India



13:30 PM - 13:50 PM

ADUNOLA BELLO
Federal Institute of Industrial Research, Nigeria

TITLE: Effect of processing methods on the chemical and fatty acid composition of African Yam Bean Oil



13 : 50 PM - 14 : 10 PM

REFRESHMENT BREAK - 14 : 10 PM - 14 : 30 PM

NARESH RAJ KEER
Assistant Professor-cum-Jr. Scientist
College of Fisheries, Bihar Animal Science University, Kishanganj, Bihar, India

TITLE: Effect of Dietary Supplementation of Mucuna (Mucuna pruriens) Seed Extract on Growth Performance and Digestive Enzyme Activity of Sarsi, Labeo rajasthanicus (Datta and Majumdar, 1970)



14 : 30 PM - 14 : 50 PM

SANDESH VITTHAL PATIL
Assistant Professor, Dr. B. S. Konkan Krishi Vidyapeeth, India
TITLE: Adoption of Better Management Practices (BMPs) for Sustainable Shrimp Aquaculture Development in Maharashtra



14 : 50 PM - 15 : 10 PM

ADITI RAMBHAU BANASURE
Master's Student, Fisheries Engineering at College of Fisheries, India

TITLE: Biofloc technology for Indian Aquaculture



15 : 10 PM - 15 : 25 PM

HABIB VAHABZADEH
Member of Scientific Board, Islamic Azad University, Iran

TITLE: The anesthetic effect of clove essential oil (Eugenol) on biochemical stress indices and steroid hormones of common carp (Cyprinus carpio) broodstocks



15 : 25 PM - 15 : 40 PM

AMRITA MOHANTY
PhD., Research Scholar, ICAR-CIFE, India

TITLE: Broad aspects of therapeutics Mrna In daily life



15 : 40 PM - 15 : 55 PM

ADUNOLA BELLO
Federal Institute of Industrial Research, Nigeria

TITLE: Chemical composition of oils extracted from two species of Mucuna Bean



15 : 55 PM - 16 : 10 PM

ADUNOLA BELLO
Federal Institute of Industrial Research, Nigeria

TITLE: Nutritional quality of the fillet of three major frozen Gadiform Fishes (Panla) sold in Nigerian markets



16 : 10 PM - 16 : 25 PM

GARIMA ANAND
PhD. Scholar, ICAR-CIFE, India

TITLE: Rearing in hypersaline inland ground saline water: affect, growth and osmoregulatory responses of Common carp (Linnaeus 1758)



16 : 25 PM - 16 : 40 PM

SONAL KALBANDE
Research Scholar, ICAR-National Institute of Abiotic Stress Management, India

TITLE: Embryology and Larval Development of Deccan Mahseer, Tor khudree (Sykes, 1839) under in situ condition using store rainwater



16 : 40 PM - 16 : 55 PM

BHASKAR GAIKWAD
Scientist, National Institute of Abiotics Stress Management, India

TITLE: Identification of fisheries cage culture in inland open water bodies using satellite imagery



16 : 55 PM - 17 : 15 PM

ADUNOLA BELLO

Federal Institute of Industrial Research, Nigeria

**TITLE: Effect of Hot Smoking on the Nutritive Value of
Micromesistius poutassou (Panla egun)**



17 : 15 PM - 17 : 35 PM

MAHENDRA KUMAR YADAV

PhD. Scholar, Govind Ballabh Pant University Of Agriculture & Technology, India

**TITLE: Effect of Dietary Safed Musli (Chlorophytum
borivilianum) on Reproductive Hormones of Jayanti rohu**



17 : 35 PM - 17 : 55 PM

IFFAT JAHAN

PhD. Scholar, ICAR-Central Institute of Fisheries Education, India

**TITLE: Effects of potassium and magnesium fortification in the diet and
culture water amend growth, survival and osmoregulation of Pacific white
shrimp, Litopenaeus vannamei reared in inland saline water**



17 : 55 PM - 18 : 15 PM

ROHITASH YADAV

Research Scholar, ICAR-Central Institute of Fisheries Education, India

**TITLE: Effect of dietary Prosopis cineraria pod meal on
growth, digestive and haematological responses in
Labeo rohita fingerlings**



18 : 15 PM - 18 : 35 PM

NEELESH KUMAR

Research Scholar, Delhi Technological University, India

**TITLE: Evaluate Disease Resistant and Immunostimulatory
Properties of Medicinal Plant (Achyranthes aspera) fed with
Asian Catfish *Clarias batrachus* Linn: Fry**



18 : 35 PM - 18 : 55 PM

KEYNOTE SESSION I

DAY - 2
25th MARCH, 2022

SACHIN ONKAR KHAIRNAR

Scientist (Sr. Scale) at the Department of Aquaculture, College of Fisheries, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, Punjab, India.

Title: Recent Advances in Ornamental Fish culture

9:00 AM - 9:30 AM



ARUN BHAI PATEL

Professor and Head, College of Fisheries, CAU, Tripura

TITLE: Impertives of Alternative resources for aquaculture feed and feeding in the era of Climate change

9:30 AM - 10:00 AM



ORAL SESSION - I

T. NIRMAL

Assistant Professor, Tamil Nadu Dr. J. Jayalalithaa Fisheries University, India

TITLE: Hermit Crab research across the world - Insights from past 2 decades (Scientometric Study)

10:00 AM - 10:30 AM



D. LINGA PRABU

Agricultural Research Service-Scientist, ICAR-Tuticorin Regional Station of Central Marine Fisheries Research Institute, India

TITLE: Cottonseed protein concentrate on growth, digestive enzymoloy and antioxidant defence response in snubnose pompano

10:30 AM - 10:50 AM



SUVRA ROY

Scientist, ICAR-Central Inland Fisheries Research Institute, India

TITLE: Epigenetics in Aquaculture

10:50 AM - 11:10 AM



SAMIRAN PATRA

SMS in fishery science, Murshidabad Krishi Vigyan Kendra, India

TITLE: Entrepreneurship development through breeding and seed production of Pabda (*Ompok bimaculatus*, Bloch, 1794) in West Bengal

11:10 AM - 11:30 AM



SUDESHNA SARKER

Assistant Professor - cum- Jr. Scientist, College of Fisheries, Kishanganj, Bihar Animal Science University, Bihar, India

TITLE: Role of Herbal extracts in fish disease management

11:30 AM - 11:50 AM



BHASKAR GAIKWAD

Scientist, National Institute of Abiotics Stress Management, India

TITLE: Identification of farm ponds using satellite imagery for targeting farm pond based aquaculture in rainfed areas of Maharashtra

11:50 AM - 12:10 PM



RAJESH KUMAR

Senior Scientist, ICAR-CIFA, India

TITLE: Striped murrel, *Channa striata* as a candidate fish in Indian aquaculture

12:10 PM - 12:30 PM



SRIKANTHA NAYAKA G

Guest Faculty, FMKM Cariappa College Madikeri Mangalore University, India

TITLE: Opportunities of employment fishery sector in India: An overview

12:30 PM - 12:50 PM



D. LINGA PRABU

Agricultural Research Service-Scientist, ICAR-Tuticorin Regional Station of Central Marine Fisheries Research Institute, India

TITLE: Dietary free gossypol on hematological, biochemical and survival of snubnose pompano, *Trachinotus blochii* (Lacepède 1801) challenged with *Vibrio parahaemolyticus*

12:50 PM - 13:10 PM



VIKASH KUMAR

ICAR-Central Inland Fisheries Research Institute, (ICAR-CIFRI),
Kolkata, India

**Horizontal transfer of AHPND-causing pVA1 plasmid carrying
PirA and PirB genes from *Vibrio parahaemolyticus* to non-
AHPND *V. campbellii* strain**

13:10 PM - 13:30 PM



SIDDAIAH GM

Scientist, ICAR-CIFA, India

Title will be updated soon

13:30 PM - 13:50 PM



DEEPIKA KORRAM

Student, College of Fisheries, India

**TITLE: Studies on plankton diversity in river Burhi Gandak and
Balua Chaur of North-Bihar, India**

13:50 PM - 14:10 PM



REFRESHMENT BREAK - 14:10 PM - 14:30 PM

OKE OJO PELUMI

Undergraduate student, Federal University of Technology Akure,
Nigeria

**TITLE: Aquaculture System in Nigeria, prospects, potentials and
constraints**

14:30 PM - 14:45 PM



SUSHREE SANGEETA DEY

Research Scholar, ICAR-Central Institute of Fisheries Education, India

**TITLE: Biosensors – a potentially cost-effective user-oriented
approach for pollution assessment in aquaculture**

14:45 PM - 15:05 PM



KAMALII AHILAN

PG student, Dr.M.G.R. Fisheries college and research institute, India

TITLE: Small-scale aquaponics for women empowerment



15 : 05 PM - 15 : 20 PM

MAYURESH SUDESH NAGVEKAR

Master's Student, Dr.Balasaheb Sawant Konkan Krishi
Vidyapeeth, India

TITLE: Application of Remote Sensing and GIS in Indian Aquaculture



15 : 20 PM - 15 : 35 PM

JASMINE SINGHA

Ph.D. Scholar, West Bengal University of Animal and Fishery
Sciences, India

**TITLE: Influence of dietary emamectin benzoate and low
temperature on the safety and clinical biochemistry of monosex
Oreochromis niloticus fries**



15 : 35 PM - 15 : 50 PM

KEYNOTE SESSION II

SANJAY KUMAR GUPTA

Senior Scientist, ICAR-IIAB, Ranchi, India

**TITLE: Metagenomic approaches for gut microbiota research in
aquaculture**



15 : 50 PM - 16 : 05 PM

ORAL SESSION - II

AKRITI GUPTA

Ph.D. Research Scholar, Ranchi University, India

**TITLE: Study of Physico-chemical factor and seasonal variation of
Phytoplankton in Fish pond, Machhali Ghar, Doranda, Ranchi,
Jharkhand**



16 : 05 PM - 16 : 20 PM

FRANCO VICIDOMINI
Higher Technician in Aquaculture and Fish Processing, Spain
TITLE: Sustainable Aquaculture



16:20 PM - 16:35 PM

PRANALI PRABHAKAR MARBADE
Master's student, Tamil Nadu Dr. Jayatlitha Fisheries University, India
TITLE: Gene Editing through CRISPR/Cas9 and its Aquaculture prospectus



16:35 PM - 16:50 PM

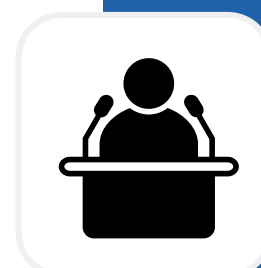
AMIT MANDAL
Assistant Professor, Guru Angad Dev Veterinary and Animal Sciences University, India
TITLE: Biofloc Technology: An emerging avenue in modern Aquaculture System



16:50 PM - 17:05 PM

KHEMRAJ BUNKAR
Research Scholar, ICAR-Central Institute of Fisheries Education, India

TITLE: Governance in Reservoirs Fisheries: A case study of Gandhisagar, Madhya Pradesh and Rana Pratap Sagar, Rajasthan



17:05 PM - 17:20 PM

POSTER SESSION

U SIVAGURUNATHAN
Research Scholar, University of Las Palmas de Gran Canaria, Spain

TITLE: Histological response of Corpuscles of Stannius gland to vitamin D3 administered interperitoneally to freshwater fish Labeo rohita reared in low and high calcium rich water



17:20 PM - 17:35 PM

AMANJIT NAYAK

Research Scholar, Kerala University of Fisheries and Ocean Studies,
India

**TITLE: Mitigation and Adaptation strategies for Climate change in
Aquaculture**

17: 35 PM - 17: 50 PM



ABHIJIT MALLIK

Ph.D. Scholar, ICAR-Central Institute of Fisheries Education, India

**TITLE: Histological characterization of gonadal development of
marine fishes collected from Eastern Arabian Sea**

17: 50 PM - 18: 05 PM



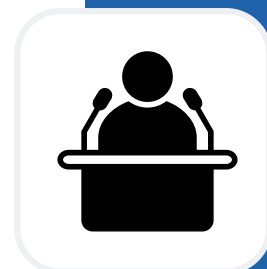
ORAL SESSION - III

RAJPAL YADAV

Research Scholar, ICAR-Central Institute of Fisheries Education,
India

TITLE: Fishers social network analysis of lake fisheries

18:05 PM - 18:20 PM



AKRUTI GUPTA

Ph.D. Research Scholar, Vinoba Bhave University, India

**TITLE: Disease management and stress resilience in Labeo rohita through
preventive health phytotherapy**

18: 20 PM - 18: 35 PM



ARYA PRABHAKARAN

Ph.D. Scholar, ICAR-Central Institute of Fisheries Education, India

**TITLE: Strategies to improve utilisation of bio-waste based feed in Labeo
rohita fingerlings**

18: 35 PM - 18: 50 PM



SESSION ADJOURNMENT...