

5<sup>th</sup> Edition of

# World Aquaculture, Fisheries and Seafood Conference

Theme: Innovative Practices in  
Aquaculture: Bridging Science and  
Industry

09-11<sup>TH</sup>  
JUNE  
2025

## Our OCMs



J L GIOVANNA HESLEY  
CropKing, Inc. Curriculum  
Development, United States



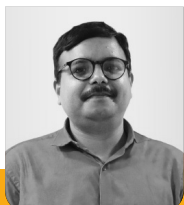
KRISHEN RANA  
University of Plymouth,  
United Kingdom



MUKESH BHENDARKAR  
AZTI, Spain



PERRY RASO  
Matunuck Oyster Farm,  
United States



AMOD ASHOK  
SALGAONKAR  
A2S2 Enterprises, India



IRENDRA GOSWAMI  
Indian Institute of Technology  
(IIT), India

## Scientific TOPICS

- Aquaculture and Fisheries
- Sustainable Aquaculture
- Aquaculture Nutrition and Fish Feed
- Disease Diagnosis & Management
- Biotechnology & Bioinformatics in Fisheries
- Fisheries Science and Research
- Marine Science and Marine Biology
- Fish Farming Techniques
- Aquaculture Engineering
- Mariculture and Seaweed Culture
- Freshwater Aquaculture
- Finfish and Shellfish Farming

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VENUE

NH Villa Carpegna  
Via Pio IV, 6, 00165 Roma RM, Italy

## Keynote Presentations

**J L Giovanna Hesley, CropKing, Inc Curriculum Development, United States**

Title: Aquaculture education challenges: Integrating sustainable practices into schools

**Perry Raso, Matunuck Oyster Farm, United States**

Title: The horizontal integration of a Shellfish farm in a broader business model

**Virendra Kumar Goswami, Indian Institute of Technology (IIT) & Environment and Peace Foundation, INDIA**

Title: Role of artificial intelligence and remote sensing in remediation of aquatic pollution and development of Numerical Oceanic Climate Prediction Models (NOCPM)

## Oral Presentations

**Luxin Wang, University of California Davis, United States**

Title: Impact of antibiotic application on microbiome present in catfish gut and water

**Timothy C Visel, Retired Aquaculture Educator, United States**

Title: Can we farm eelgrass as a high protein sustainable marine grain for aquaculture?

**Vidya Padmakumar, EcoDiversity Lab, Canada**

Title: Smart sensors and real-time monitoring: Revolutionizing aquatic pollution management

**Gopika Suresh, Marble Imaging AG, Germany**

Title: An Earth Observation (EO) service using AI for efficient monitoring, reporting and certification in the blue economy

**Julia Dvorska, Borregaard, Germany**

Title : Enhancing pelleting efficiency in aquafeed production: A comparative study

**Julia Dvorska, Borregaard, Germany**

Title: Growth performance and gut pH of juvenile shrimp fed with a lignosulfonic acid-based feed acidifier

**Joao Cotter, Aquaponics Iberia, Portugal**

Title: XRAqua: Bridging aquaponics and extended reality for an immersive learning experience

**Michael Rosciszewski-Dodgson, University of Gdańsk, Poland**

Title: Economic challenges and livelihood resilience in the Baltic fisheries sector

**Van Wynsberge Simon, IFREMER, French Polynesia**

Title: Spatial variability of temperature inside atoll lagoons assessed with Landsat-8 satellite imagery

**Violetta M. Yurakhno, A. O. Kovalevsky Institute of Biology of the Southern Seas of RAS, Russian Federation**

Title: Myxosporean fauna of East Sea marine fishes off the coast of Vietnam

**Sandipan Mondal, National Taiwan Ocean University, Taiwan**

Title: Impact of global climate change on apex pelagic predators of the world's oceans: Potential adaptation or tropicalization

**Ming-An Lee, National Taiwan Ocean University, Taiwan**

Title: Teleconnection impacts of climatic variability on the global fishery: A study towards sustainable fisheries management

**Suleiman Uba Muhammad, King Fahd Medical Research Center, Saudi Arabia**

Title: Enhancing sustainability in Arabian aquaculture through the screening of fish for resistant and multidrug-resistant pathogens in Jeddah

**Maria Fernanda Jimenez Reyes, Instituto de Fomento Pesquero, Chile**

Title: Causes of discard observed in the industrial purse seine fishery targeting anchovy (*Engraulis ringens*), between the Arica y Parinacota and Antofagasta Regions in the Northern Chile

**Utku Duran, Bülent Ecevit University, Turkey**

Title: Turkish salmon: Sustainable production in Turkish aquaculture and position in the global market

**Ana Claudia Sanchez Ortiz, Universidad De Guadalajara, Mexico**

Title: Sustainable aquaculture: Strategies for comprehensive improvement

**Daniel Quintana Garcia, Tecnológico de Monterrey, Mexico**

Title: Smart fish farming: A simulation toolkit for model-based design and optimization

**Marcelino J Aranibar, Universidad Nacional del Altiplano, Peru**

Title: Influence of intensive trout production on the aquatic environment and sediments of Titicaca Lake in Peru

**Aidah Baloch, Ocean University of China, China**

Title: Assessing stock status and sustainable yield of sea catfish (*Arius Maculatus*) in Pakistan's coastal waters: Insights from CMSY and ASPIC models

**Wajid Ali, Ocean University of China, China**

Title: Characterization of antimicrobial properties of Troh2a-29 peptide from Golden Pompano (*Trachinotus Ovatus*)

**Jafrin Farha Hussain, Nanda Nath Saikia College, India**

Title: Limnological status of the Basistha hill stream of Assam, India, with special reference to change in its fish assemblage pattern

**Subhas Das, The University of Burdwan, India**

Title: Choline-exposed Indian major carps and air-breathing fishes reflect successful maturation of gonads reared in a semi-intensive pisciculture system: A histotechnological and ultrastructural introspection

**Murugan Shanthakumar, EcoDiversity Research Centre, India**

Title: Innovative aquaponics: Integrating fish farming and hydroponics for sustainable aquaculture solutions

**Teo Chee Loong, Agri Season Sdn. Bhd, Malaysia**

Title: Pilot scale cultivation of microalgae for aquaculture feed applications

**Apinun Suvarnaraksha, Maejo University, Thailand**

Title: Sustainable fisheries and aquaculture in the Yom River, Chaophraya River basin, Thailand

**Jaynos R Cortes, North Eastern Mindanao State University- Lianga Campus, Philippines**

Title: Behavioral shifts and the serotonin blueprint in all-male giant freshwater Prawn (Macrobrachium Rosenbergii): Implications for culture practices

**Lee Van Cleff M. Labsan, North Eastern Mindanao State University- Lianga Campus, Philippines**

Title: Synergistic effects of garlic (Allium Sativum) skin and guava (Psidium Guajava) leaf extracts on growth, feed efficiency, morphometry, molting dynamics, and histology in whiteleg shrimp (Litopenaeus Vannamei, Boone, 1931)

**Virgilio B. Ratunil, Surigao del Norte State University, Philippines**

Title: Occurrence of Panulirus Ornatus, Panulirus Versicolor and Panulirus longipes (Palinuridae) Pueruli in the waters of Surigao del sur, Philippines

**Iya Purnama Sari, Marine and Fisheries Polytechnic of Jembrana, Indonesia**

Title: Stock study of Bali sardinella fisheries at Pengambangan Nusantara fishing port, Bali

**Aisyah, Center for Marine and Fisheries Education, MMAF, Indonesia**

Title: Transforming Eel fisheries: Case studies and success stories from the IFish Project in sukabumi, Indonesia

**Ranjith lal samarathunga, Puttlam Distric Ornamental Fish Association, Sri Lanka**

Title: High density fish farming and fish diseases

**V. T. K. Dayarathna, Ocean University of Sri Lanka, Sri Lanka**

Title: Identification of nine commercial sea cucumber species using their spicules as major taxonomic character

**Samia Samou Souici, CRSTRA, Algeria**

Title: Effect of gypsum on the texture of soils in arid regions

**Khosrow Aeinjamshid, Iran Shrimp Research Center, Iran**

Title: Innovative cold plasma technology: A promising tool for pathogen control and improving aquaculture management practices

**Abdol Ghaffar Ebadi, Islamic Azad University, Iran**

Title: Unseen perils in aquaculture: The impact of nanoplastics and chemical pollutants on marine biodiversity and industry sustainability

**Cebeni Langa, Council for Scientific and Industrial Research, South Africa**

Title: Selection for high-efficacy Lactobacillus-based probiotics for use in Oreochromis Niloticus aquaculture

**Christabel Ewedji, Regional Maritime University, Ghana**

Title: Recruitment process of artisanal fishers in Ghana: Safety implications

**Joyce Liti Njenga, Jomo Kenyatta University (JKUAT), Kenya**

Title: Suitability of conventional ingredients used for aquafeed production in Kenya

**Richard Banda, Department of Fisheries, Malawi**

Title: Does access to loans by small-scale fishers result into profitability and economic empowerment: Evidence from Likoma Island fishing communities in Lake Malawi

**Alamrew Zeleke, Debre Tabor University, Ethiopia**

Title: Production value, constraints, and opportunities in East African freshwater fisheries: Meta data included systematic review

**Firew Admasu, Jimma University, Ethiopia**

Title: Effect of probiotic dosage on fish growth, water quality, and microbial composition in aquaponics systems at Jimma University, Jimma, Ethiopia

**Mohammed M.A, FCT College of Education, Nigeria**

Title: The role of latency period on the breeding indices of *Clarias gariepinus* (Burchell, 1822))

**Tope-Jegede Oluwatosin Helen, Federal University Oye Ekiti, Nigeria**

Title: Effects of locusts bean (*Parkia Biglobosa*) effluent on the histology of *Heteroclaris* juveniles

**Haragobinda Baidya, Minority Self Empowerment Foundation, Bangladesh**

Title: Bangladesh present situation in financial condition depends on aquaculture and fisheries sector

**Eftekher Ahmed Khan, Hope for the Poorest, Bangladesh**

Title: Aquaculture, perspective Bangladesh

**Md. Monjurul Hasan, Bangladesh Fisheries Research Institute, Bangladesh**

Title: Harnessing AI technology for sustainable aquaculture: Transforming Bangladesh's blue economy

**Houeto Madel Floriane Adjibayo, Faculté des sciences de Tunis, Benin**

Title: Analysis of otolith shape as a tool for discriminating stocks of cassava croaker (*Pseudotolithus Senegalensis*) in Beninese waters

**Mona Ibrahim Mohamed Almahy, Red Sea Fisheries Research Station, Sudan**

Title: Some spawning aggregations in Sudan red sea coast

**Imrana Amir, University of Mianwali, Pakistan**

Title: Role of fungal dietary microspheres in improving biological responses in freshwater fish

**Ayesha Adil, ARID University, Pakistan**

Title: Exploring alternative protein sources for sustainable fish feed

### Oral Presentation Slots are Available !!

**Rodrigo Diana Navarro, University of Brasilia, Brazil**

Title: Tropical aquaponic production of lemon balm, *Melissa officinalis*, using different *Astyanax bimaculatus* fingerlings stocking densities

**Fernanda Keley Silva Pereira Navarro, Instituto Federal de Brasília IFB, Brazil**

Title: Influence of leaf litter quality and predation risk on behavioral patterns of *Phylloicus* sp. (Trichoptera: Calamoceratidae)

**Sukhanov V.V, Russian Academy of Sciences, Russian Federation**

Title: Total mortality of fish due starvation: catastrophe of the fold

**Angkasa Putra, Pukyong National University, Korea, Republic Of**

Title: Rice-tiger shrimp system in brackish water: An alternative for marginal land utilization

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**Zhitao Qi, Yancheng Institute of Technology, China**

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Title: Edwardsiella piscicida induces largemouth bass PINK1/Parkin-mediated mitophagy for its survival and virulence

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**Zisheng Wang, Yancheng Institute of Technology, China**

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Title: Effects of Bacillus licheniformis feeding on the growth performance, blood parameters and intestinal microbiota of adult hybrid sturgeon

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**Santhiya Panchalingam, Sathyabama Institute of Science and Technology, India**

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Title: A computational approach to identifying peptide inhibitors against White Spot Syndrome Virus: Targeting the virus envelope protein

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**Kim Henri F Alonzo, University of the Philippines Diliman, Philippines**

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Title: Unravelling the spatiotemporal molecular diversity of microeukaryotes in a river-to-estuary continuum using full-length 18S rDNA

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**Paulin Nyadjeu, Institute of Fisheries and Aquatic Sciences of the University of Douala, Cameroon**

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Title: Effect of garlic and ginger mixture on growth and improvement of physiological condition of African catfish juveniles raised in closed system

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**Edward Josephine Bolaji, Ekiti State University, Nigeria**

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Title: Assessment of the Physicochemical Parameters and Fish Composition of Ogbese River, Ondo State, Nigeria

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**Obe Bernadine Wuraola, Ekiti State University, Nigeria**

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Title: Growth performance of hybrid catfish (Heterobranchus bidorsalis X Clarias gariepinus) fingerlings fed raw pumpkin (Cucurbita Pepo) seed meal based diets

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**Adejoke Adewumi, Ekiti state University, Nigeria**

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Title: The effects of feeding the African Catfish, Clarias Gariepinus with fermented sweet potato (Ipomoea Batatas Lam) peels on growth, nutrient utilization and some biochemical indices

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**Poster Presentation Slots are Available !!**

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