

International Workshop on Aquaculture Medicine and Aquatic Animal Health Management in Asia Pacific: Status, Constraints and Way Forward

[AQUAMAP25]

January 16-18, 2025

Venue: Seminar Complex, CUSAT, Main Campus, Kalamassery, Kochi-22, Kerala, INDIA

POSTER CODE

THEME 1	DISEASES OF AQUATIC ANIMALS	
Poster Code	Title of Paper	Name of Presenting Author
DAA01	HEPATOPANCREAS IN A PARASITIC ISOPOD, <i>Norileca indica</i> : LIGHT AND ELECTRON MICROSCOPIC APPROACH	SREYA ASHOKAN
DAA02	Multi-drug resistant <i>Edwardsiella tarda</i> and its role in mass mortality of Oscar fish, <i>Astronotus ocellatus</i> : A case study from an ornamental fish farm, Kerala.	VISHNUPRIYA P V
DAA03	Dual infection with <i>Aeromonas veronii</i> and <i>Vibrio cholerae</i> in inland saline water-cultured <i>Penaeus vannamei</i> displaying white faecal syndrome	Sreedharan Krishnan
DAA04	PARASITIC PLATYHELMINTHS ON THE COMMERCIALY IMPORTANT SELECTED SCOMBRID FISH SPECIES ALONG THE MALABAR COAST	MUGDHA SUKUMARAN
DAA05	Cross sectional analysis of major shrimp viral diseases in shrimp farms of Kerala, India	Saranya P
DAA06	INCIDENCE AND ANTIBIOTIC RESISTANCE PROFILING OF MAJOR <i>Vibrio</i> spp. FROM SHRIMP FARMS OF KERALA	Athira U S
DAA07	Protective Effect of Volcanic Calcium Bentonite Clay as Natural Adsorbent to Mitigate Aflatoxin B1 Toxicity in Nile Tilapia (<i>Oreochromis niloticus</i>) (Linnaeus, 1758) Diets: Impacts on Growth, Feed Utilization, and Bioaccumulation	Remisha O
DAA08	Emerging Threat of <i>Lactococcus garvieae</i> in Aquaculture: Insights from a Case of Lactococcosis in Oscar Fish (<i>Astronotus ocellatus</i>)	Arathi Dharmaratnam
DAA09	Bacterial flora associated with fin-rot-affected freshwater angelfish <i>Pterophyllum scalare</i> (Schultz, 1823)	Ambili P T
DAA10	Detection of <i>Tilapia parvovirus</i> (TiPV) and <i>Streptococcus agalactiae</i> coinfection in Nile Tilapia (<i>Oreochromis niloticus</i>) reared in a Recirculation Aquaculture System	Muneer A.

DAA11	Epidemiology investigation of bacterial diseases during 2024 in ornamental fishes and characterization of selected strains: Consolidation of case studies from Kerala, India	ARATHI M
DAA12	Molecular screening of viral pathogens infected in Giant Tiger Prawns (<i>Penaeus monodon</i>)	CHITHIRA K
DAA13	Epidemiology investigation of bacterial diseases during 2024 in food fishes and characterization of selected strains: Consolidation of case studies from Kerala, India	SAMYUKTHA SAJU
DAA14	Molecular screening of Infectious Hypodermal and Hematopoietic Necrosis Virus infected in post-larvae of giant tiger prawn (<i>Penaeus monodon</i>)	PRINSHA PRASAD K P
DAA15	Development of a Loop-Mediated Isothermal Amplification (LAMP) Assay for Detecting White Spot Syndrome Virus (WSSV) in Shrimp in Mozambique	Ervinio da Ana Eusébio
DAA16	Is <i>Mytella strigata</i> a Reservoir for Perkinsus on the Kerala Coast?	Linu Eldho
THEME 2	DISEASE DIAGNOSIS IN AQUACULTURE	
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DDA01	The Prevalence of pathogenic Escherichia coli in shellfish (<i>Villorita cyprinoides</i> var. <i>Cochinensis</i>), its harvesting sediment and waters from Vembanad Lake, India.	Neenu P.
DDA02	Pathogenic Bacteria Causing Infectious Diseases in Cage-Farmed Fish in the Lake Victoria	Magoti Ernest Ndaro
DDA03	ESKAPE EXPLORE: Integrating Genomic Data and Metadata Standardization to Address Antimicrobial Resistance within a One Health Framework	Ballamoole Krishna Kumar
DDA04	Development and analytical validation of an RPA-CRISPR-Cas12a assay for the detection of Enterocytozoon hepatopenaei (EHP) in Shrimp	Dr. Praveen Rai
DDA05	Host-Pathogen Dynamics in Oscar Fish Co-infected with <i>Aeromonas jandaei</i> and <i>Edwardsiella tarda</i>	GAYATREE BEHERA
DDA06	Development of IgY-based Lateral Flow Assay System for the detection of Vibriosis in aquaculture	Lakshmi Gopakumar
DDA07	Colorimetric Reverse Transcriptase LAMP assay for rapid detection of Tilapia Lake Virus (TiLV)	Alagukanthasami Ponsrinivasan
DDA08	Evaluating the toxicological effects and bioactive potential of <i>Rhizophora apiculata</i> mangrove extracts using the Zebrafish (<i>Danio rerio</i>) larvae model	SANTHOSH K
DDA09	Evaluation of Subacute Toxicity induced by Ethanol Extract of <i>Piper wightii</i> Miq. towards <i>Cyprinus carpio</i>	Neethu S
THEME 3	SUSTAINABLE AQUACULTURE PRODUCTION SYSTEMS	

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SAP01	Assessing the Growth Performance of Olive Barb <i>Systemus sarana</i> (Hamilton, 1822) Using Biofloc Technology: A Sustainable Aquaculture Approach	GREESHMA K M
SAP02	Assessment of gonadal development and oocyte dimensions in Crimson jobfish, <i>Pristipomoides filamentosus</i> (Valenciennes, 1830): a potential mariculture species	MANOJ KUMAR M
SAP03	Effects of salinity, temperature and photoperiod on egg production of <i>Pseudodiaptomus annandalei</i> (Copepoda: Calanoida) used as live feed in Mariculture.	Neethu Kuriakose
SAP04	Screening for potential probiotic strains from <i>Lates calcarifer</i> (Sea Bass) for Aquaculture Health	Anjana Pramod
SAP05	BIOFLOC-INDUCED INTESTINAL ADAPTATIONS IN GOLDFISH: INVESTIGATING THE ROLE OF GUT MICROBIOTA, MORPHOLOGY, AND DIGESTIVE ENZYME ACTIVITY	ANITHA R
SAP06	Impact of diverse Carbon Sources on Water Quality, Growth Performance, Floc Characteristics and Proximate Composition of GIFT <i>Tilapia</i> in Biofloc System.	Megha Lovejan
SAP07	Integrating Kinetic Models, Gene Circuits, and Biofilm Dynamics for Enhanced Exopolysaccharide Production in Nitrifying Bacterial Consortia	Lathika Shanmugam
SAP08	Effect of Microalgal Diet on the Growth and Survival of Adult Indian Backwater Oyster (<i>Crassostrea madrasensis</i>): A Proximate Analysis Approach	Ashmitha J Mishma
SAP09	Evaluating the Impact of Different Carbon Sources on Biofloc Formation and Growth Performance in Pearl Spot, <i>Etroplus suratensis</i> (Bloch, 1790)	PRASANTH K G
SAP10	VARIATIONS IN REPRODUCTIVE CHARACTERISTICS OF PEARLSPOT (<i>Etroplus suratensis</i>) FROM GEOGRAPHICALLY DIFFERENT LOCATIONS	Gajjela Maheshwari
SAP11	<i>Reproductive biology and histological studies of ovarian development of Etroplus suratensis</i>	Mohammad Saddam Hussain
SAP12	"Enhancing Marine Aquaculture: Open Sea Cage Culture of <i>Rachycentron canadum</i> in Andaman Sea"	Arjunan V M
SAP13	COMPARISON OF HORIZONTAL AND VERTICAL AQUAPONIC SYSTEMS FOR HOUSING COMPLEX APPLICATIONS	Teena Elvis

SAP14	Optimization of sustainable commercial-scale production of two indigenous polychaete species as a key maturation diet for enhancing reproductive performance and improve biosecurity in shrimp hatcheries.	Navaneeth Krishnan A
SAP15	Gracilaria.sp: A Sustainable Source for Phycoremediation and Advancements in the Commercial Field	Misbah Saleem
SAP16	Efficacy of Arthrospira platensis-incorporated feeds on growth, feed utilization, and survival of juvenile Pearlsplit (Etroplus suratensis)	Nikhila Khanna A.R
SAP17	Influence of dietary chitosan on the growth performance, meat composition, amino acid and fatty acid profiles of the black tiger shrimp (Penaeus monodon)	Ancy Ashraf
SAP18	Optimizing Breeding Protocols for Etroplus suratensis: A Focus on Egg Collection, Larval and Fry Rearing	NASRIN M.N
SAP19	The Role of Sulfur-Oxidizing Bacteria in Enhancing Aquaculture Sustainability	Gopika R S
SAP20	Exploring the multifaceted efficacy of Assessed Macroalgae in Recirculating Maraponics System for the Sustainable Aqua-Agriculture Production	SINDUJA SENTHILKUMARAN
SAP21	Effect of replacing fishmeal with Lactococcus lactis-PNF1 fermented hemp seed meal on growth performance, nutrient utilization, serum biochemical parameters, digestive enzyme activity, and antioxidant status in Pangasius (Pangasianodon hypophthalmus)	VINOTH KALITHEERTHAN
SAP 22	Enhancing Marine Aquaculture: Open Sea Cage Culture of Rachycentron canadum in Andaman Sea	Arjunan VM
SAP 23	Comparative Analysis and Optimization of Cryopreservation Protocols for Fish Embryos: A case study with Anabas testudineus.	<u>Avanthika Kamath</u>
SAP 24	<i>Effects of dietary curcumin supplementation on growth performance, digestive enzyme activities and antioxidant status of fingerling Labeo catla</i>	<u>Sana Naz</u>
SAP 25	<i>Sustainable Use of Saline Groundwater in Aquaculture: The Impact of Selenium on Growth and Physiological Resilience of Channa striat</i>	Panneerselvam Dheeran1,
SAP 27	AI Research trends in Aquaponics in India: a scoping review.	Akshaj Alva
SAP 28	Suitability of Single Cell Oils from Oleaginous fungus for shrimp farming	<u>Akshayani Valli Lade</u>
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AMP02	Field Evaluation of an Oral <i>Vibrio</i> Vaccine Demonstrates the Potential for Protection Against Vibriosis in Hybrid Grouper (<i>Epinephelus fuscoguttatus</i> × <i>E. lanceolatus</i>)	Aslah Mohamad
AMP03	Evaluation of extracellular enzyme-producing autochthonous gut bacteria in Pearlsplit, <i>Etroplus suratensis</i> (Bloch, 1790)	AKHIL IGNUS
AMP04	Enhancing oral vaccination efficacy by co-administering short chain fatty acid, butyrate with inactivated TiLV vaccine in Nile tilapia	Rahul Krishnan
AMP05	Microbial associates of <i>Palythoa</i> spp.: Potential source of antimicrobial agents in aquaculture	ANITHA ANTONY
AMP06	Beyond Antibiotics: Advancing Sustainable Aquafarming Through Probiotic Therapy in Fish Diseases Management- Cases of Nile Tilapia and Common carp	Remy Ntakirutimana
AMP07	<i>EFFECT OF Bacillus amyloliquefaciens ALC2, Bacillus cereus KM9, AND THEIR COMBINATION ON GROWTH, DIGESTIVE ENZYMES, IMMUNOHEMATOLOGICAL PARAMETERS, ANTIOXIDANT ACTIVITY AND RESISTANCE TO Aeromonas hydrophila IN NILE TILAPIA (Oreochromis niloticus)</i>	Likhitha K
AMP09	Hematological Responses of Rohu Fish (<i>Labeo rohita</i>) to Dietary Supplementation with Moringa Leaf Powder	SAYAN MAJUMDAR
AMP10	Development and Immuno-protective efficacy of a Calcium Phosphate Nanoparticle-based vaccine against <i>Aeromonas hydrophila</i> in Aquaculture	Abhiram A
AMP11	Comprehensive Evaluation of the Antiproliferative and Apoptotic Mechanisms of Recombinant Stylicin from <i>Penaeus vannamei</i> on Human Cancer Cell Lines	Deepakrajasekar Padmanaban
AMP12	An Investigation on the Probiotic and Pigment Enhancing Potential of Carotenogenic Manglicolous Yeast <i>Rhodotorula paludigena</i> VA242 in the Indigenous Ornamental Fish, <i>Dawkinsia filamentosa</i>	Farzana M N
AMP13	Microbiome manipulation: Selection and Screening frameworks towards designing a metal-resistant bacterial consortia	Silpa Chandran
AMP14	<i>Enhancing growth, immune response, antioxidant capacity and disease resistance using Cyanthillium cinereum whole plant extract in Aeromonas hydrophila infected Channa striata</i>	ADARSH JAYANTH A B
AMP15	<i>Improving the Immune Response, Growth, and Disease Resistance of Channa striata with Cissus</i>	Archana C

	<i>quadrangularis Stem Extract challenged with Aeromonas hydrophila</i>	
AMP16	<i>Efficacy of Boerhaavia diffusa whole plant aqueous extract supplemented diets on growth, antioxidant activity, immune response and disease resistance in Channa striata infected with Aeromonas hydrophila</i>	Ayush Chandravanshi
AMP17	Immunotherapeutic Efficacy of IgY Antibodies Targeting <i>Aeromonas hydrophila</i>	Riya Michael
AMP18	<i>Modulation growth, immunity, antioxidant status, and disease resistance against Streptococcus agalactiae in Nile tilapia, Oreochromis niloticus, by Biophytum sensitivum</i>	Akshay T R
AMP19	ISOLATION AND IDENTIFICATION OF A PROBIOTIC BACTERIA FROM THE GASTRO INTESTINAL TRACT OF SNUBNOSE POMPAÑO, <i>Trachinotus blochii</i>	RINSIYA. N
AMP20	In-silico-based approach for vaccine development for Infectious Spleen and Kidney Necrosis Virus	Kumar shreshtha
AMP21	CYTOTOXICITY EVALUATION OF LYOPHILISED PYOCYANIN CRUDE: AN EMERGING DRUG OF CHOICE IN AQUACULTURE	JINI JIMMY
AMP22	Molecular identification of a Histone H2A derived antimicrobial peptide from virus-infected Nile tilapia (<i>Oreochromis niloticus</i>)	Linu Balan
AMP23	<i>Leptolyngbya</i> sp. MACC32-based co-culture and feed formulation in aquaculture: An attempt to quorum quenching therapy against vibriosis in <i>Penaeus monodon</i> post-larvae	Saranya M
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AHM01	Nanoemulsion of Coriander oil and <i>Asparagus racemosus</i> having antioxidant and antimicrobial properties as an alternate strategy to reduce antibiotic use in aquaculture	Vineetha V. P.
AHM02	Coir-pith derived cellulose nanofibrils (CDCNF) based immobilized <i>Pseudomonas</i> formulation in aquaculture health management.	DIVYA JOSE
AHM03	Genotoxic Effects of Mercury Chloride in <i>Cyprinus carpio</i> : Implications for Aquatic Animal Health and Ecosystem Sustainability	Nivethitha.P
AHM04	Effects of dietary administration of curcumin, beta glucan, herbal extract and garlic extract on the growth and immune profile of <i>Penaeus vannamei</i>	Praveena P

AHM05	16S eDNA Metabarcoding Reveals Microbial Community Composition and Functional Dynamics as Key Indicators for Aquatic Ecosystem Monitoring and Management	Boobal R
AHM06	Plasmid-mediated Antibiotic Resistance in <i>Klebsiella</i> Isolates from Juvenile Fish in Aquaculture Farms of Ernakulam, Kerala	JIJINA M P
AHM07	Molecular cloning, Characterization, and Expression analysis of two C-type lectin cDNAs in the Japanese Mitten Crab, <i>Eriocheir japonica</i>	Thasni Mallisseri
AHM08	DIVERSITY AND ABUNDANCE OF COMPLETE AMMONIA OXIDIZERS (COMAMMOX) IN VARIOUS AQUACULTURE SYSTEMS	BANDI SUMANTH KUMAR REDDY
AHM9	Sustainable Synthesis of Ag/ZnO Bimetallic Nanoparticles for Efficient Photocatalytic Degradation of Ciprofloxacin in Water Bodies: Synthesis, Characterization, and Mechanistic Insights.	Sudheep N. M.
AHM10	Experimental Tilapia lake virus (TiLV) susceptibility in Red zebra, <i>Maylandia estherae</i> - An alarm for the ornamental fish trade	Evangelin Paripoorana David
AHM11	Diversity and abundance of nitrifying microbial communities in commercial aquaponics systems	JIFIRIYA M. J
AHM12	Review on Antibiotic Resistance in Aquaculture: Impact of Climate Change on Disease Risks and Application of Geographic Information System	DIVYA NAIR
AHM13	TO STUDY AND DEVELOP LUPEOL-FORTIFIED FISH MEAL TO REDUCE OXIDATIVE STRESS	Vaanmathy S
AHM14	Assessment of genetic diversity of <i>Etilapia suratensis</i> in Vembanad Lake, Kerala, India	Amal Vasu
AHM15	Genomic profiling of <i>Streptococcus agalactiae</i> to formulate a cross-protective vaccine for Nile Tilapia	Ritam guha
AHM16	Effect of herbal plant extracts of <i>Chromolaena odorata</i> and <i>Phyllanthus niruri</i> on growth and haematological parameters of <i>Channa striata</i> (Bloch 1793), and its antibacterial activity	LEESHA O S
AHM17	Investigating the diversity of antibiotic resistance determinants in aquatic environments	Vijaya Kumar Deekshit
AHM18	Effect of povidone-iodine disinfection on the bacterial flora, hatchability and early larval survival of pearlspot (<i>Etilapia suratensis</i>) eggs under ex-situ incubation	Shaik Irshad Ali
AHM19	Assessing Urban Impact on Sediment Quality : A Comparative Study of Ithikkara River Mouth and Kollam Canal Discharge in Paravur Lake, Kerala	ANUPAMA V S

AHM20	Sequence analysis of β -defensins revealed structural diversity in different isoforms indicating functional polymorphism in fish	Sweta Das
AHM21	ISOLATION OF PROBIOTIC BACTERIA FROM COMMERCIALY IMPORTANT FLAT FISH FAUNA OF MALABAR COAST	MEERA NAIR I
AHM22	Traditional shrimp culture: Ernakulum and Alappuzha districts of Kerala Case study	Divya P
AHM23	Environmental Biofilm-Forming Bacteria for Heavy Metal Bioremediation: A Sustainable Approach to Aquatic Health Management	Revathy P K
AHM24	Prevalence of virulence genes and antimicrobial resistance genes in motile Aeromonas sp. from fresh water fishes of Tamil Nadu	Chrisolite Bagthasingh
AHM25	Effect of Seasonal and Diurnal Temperature Variations in the Physiological and Behavioural patterns in Penaeus monodon broodstock and stress responses	Famitha Rasheed
THEME 6	POLICIES, REGULATIONS AND IMPLEMENTATIONS	
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PRA02	FOSTERING SUSTAINABILITY IN ORNAMENTAL FISH BREEDING UNDER AQUACULTURE: A LEGAL AND POLICY ANALYSIS FROM INDIAN PERSPECTIVE	Taniya Ahuja