POSTERS

Located in Lobbies by Auditorium A

AOUACULTURE ENGINEERING POSTERS

Board #

Incá Luic Váznuaz-Rurnoc

•	NON-IONIZED AMMONIA ASSESSMENT MODEL IN <i>Chirostoma estor estor</i> INTENSIVE CULTURE USING ARTIFICIAL NEURAL NETWORKS
2	Jayabharathi Subramaniyan , Mercy Amrita Castro, Surya Elanzcheliyan, Vigneshwaran Rajendran REAL TIME IOT BASED DATA MANAGEMENT IN HATCHERIES
3	Kuttappan Aiyer Designing farm equipments
4	Cubba Manach Day Mahammad Tanyaar C.V. Mulchariaa

- 4 Subha Manash Roy, Mohammad Tanveer, C.K. Mukherjee
 AERATION CHARACTERISTICS OF PERFORATED TRAY AERATOR FOR APPLICATION
 IN AQUACULTURE
- 5 Mirza Masum Beg, Basudev Mandal, Sanjib Moulick, Mohammad Tanveer EVALUATION OF DIFFERENT FILTER MEDIA USED IN OPTIMUM OPERATION OF TRICKLING FILTERS FOR ORGANIC AQUACULTURE
- 6 Harini Ravi, Roshan R.U., Anand T.
 DESIGN OF GEAR BOX FOR INTEGRATING PADDLE-WHEEL CUM PROPELLER
 ASPIRATOR AFRATOR FOR SHRIMP FARMING
- 7 Babiyola D., Thamaraiselvan J., Anand T.
 DEVELOPMENT OF SOLAR POWERED AERATORS IN SHRIMP FARMS
- 8 Devasennan R.M., Pradeep R.
 ENERGY FOR FUTURE "WASTE TO WIRE" MIND MAPPING ON PRODUCTION OF
 BIOGAS FROM AQUA INDUSTRIES WASTE
- 9 Nikhil Debsingha, Subha Manash Roy GROWTH AND PRODUCTION OF *Litopenaeus vannamei* IN LOW SALINE WATER AND EVALUATION OF WATER QUALITY PARAMETERS
- 10 Aradhana Krishnan, Venkata Lakshmi Vardhanapu REMOVAL OF COD AND BOD IN THE INDUSTRIAL WASTEWATER USING MIXOTROPIC MICROALGAL TREATMENT

SEED PRODUCTION OF BRACKISHWATER & MARINE FINFISH & SHELLFISH POSTERS

- **Mohamed Faizullah M.**, Santhoshkumar S., Sundaramoorthy B., Chellamanimegalai P. IMPACT OF DIFFERENT SALINITIES ON THE HATCHING AND SURVIVAL OF BRINE SHRIMP *Artemia salina* (LINNAEUS, 1758)
- 16 Fedelia Flor Mero, Fiona Pedroso, Mary Jane Amar, Josel Cadangin, Donna Rendaje, Jean Rose Maquirang, Lily Anne Piñosa INFLUENCE OF PHOTOPERIOD AND AERATION ON THE GROWTH, SURVIVAL, AND EARLY SPAT SETTLEMENT OF THE HATCHERY-REARED GREEN MUSSEL Perna viridis
- 17 Anand Chandran, Stephen Sampathkumar J., Ramesh P., Gokulakrishnan S.
 SIZE DISTRIBUTION OF THE ASIAN SEABASS *Lates calcarifer* FINGERLINGS REARED
 IN INDOOR SYSTEM BY FEEDING ON ARTIFICIAL PELLETS
- **Vinod Kumar Paswan**, Hari Krishna, Reddy A.K., Neelam Saharan, Babitha Rani A.M., Somu Sunder Lingam R.

 EFFECTS OF SALINITY AND CA++/MG++ RATIO ON PHYSIOLOGICAL AND GROWTH PERFORMANCE OF *Litopenaeus vannamei* REARED IN INLAND SALINE WATER
- 19 Manickavasagam Samiyappan, Manickavasagam D., Dinesh D.
 TOLERANCE TO AMMONIA, NITRITE AND DISSOLVED OXYGEN IN POSTLARVAE AND
 JUVENILES OF WHITE SHRIMP Penaeus setiferus AND Penaeus vannamei
- Vinothkumar Ramar, Srinivasan Arasan, Jawahar Paulraj, Padmavathy Pandurangan, Neethiselvan Neethirajan
 RECORD ON CAUDAL FIN DEFORMITY IN SILVER POMFRET Pampus argenteus
 (EUPHRASEN, 1788) FROM INDIAN WATERS
- 21 Naveen Raj Manickavel, Felix S., Aruna S.
 A STUDY ON PROTEASE ENZYME ACTIVITY IN PEARL SPOT LARVAE FED WITH DHA,
 EPA AND ARA ENRICHED LIVE FEED
- 22 Naveen Raj Manickavel, Felix S., Aruna S.
 A STUDY ON AMYLASE ENZYME ACTIVITY IN PEARL SPOT LARVAE FED WITH DHA,
 FPA AND ARA FNRICHED LIVE FFED
- 23 Naveen Raj Manickavel, Felix S., Aruna S.
 A STUDY ON LIPASE ENZYME ACTIVITY IN PEARL SPOT LARVAE FED WITH DHA, EPA
 AND ARA ENRICHED LIVE FEED
- 24 Naveen Raj Manickavel, Felix S., Aruna S.
 STUDIES ON COMPARATIVE GROWTH OF THE ROTIFER *B. plicatilis* PRODUCED
 USING ALGAE AND YEAST

SEED PRODUCTION OF FRESHWATER FINFISH & SHELLFISH POSTERS

- 25 Pankaj Gargotra, K. Dinesh, Chiranjiv Pradhan, Binu Varghese, Alphi Korath EFFECT OF REPLACEMENT OF SOY MEAL BY GUAR MEAL ON GROWTH AND SURVIVAL OF *Cyprinus carpio* (LINNAEUS, 1758) SPAWN
- **Pandi Mariappan**, Cheryl Antony, S. Felix, S. Aruna, M.M. Bhosale, N. Mahadevi OPTIMIZATION OF MASS PRODUCTION TECHNOLOGY FOR COPEPODS *Thermocyclops hyalinus* (REHBERG, 1880)
- 27 Hariharan Mohan, Gokula Krishnan, Arputha Loganathan, Somu Sunder Lingam Breeding of Gourami fish using of Almond Leaf as a substrate for Build ding bubbi f Nest
- 28 Shivani Verma, B.K. Sharma
 ORGANIC AQUACULTURE TO ENHANCE THE AQUACULTURE PRODUCTION BY USING HERBS 'HARITAKI' AND 'KHAYER'
- 29 Resmarani Mohanty, Manoj Kumar Tripathy, Soumendra Nanda, Sushanta Kumara Patra GROWTH PERFORMANCE OF CARPS AND ECONOMICS OF CARP-MOLA POLYCULTURE IN SEASONAL FARMER'S PONDS
- 30 Shajahan Ferosekhan, A.K. Giri, S.K. Sahoo, K. Radhakrishnan, S.S. Giri, B.R. Pillai EFFECT OF MATERNAL SIZE ON THE REPRODUCTIVE PERFORMANCE, EGG AND LARVAL QUALITY IN *Clarias magur*
- 31 Muthu M. Abishag, Judith C. Betsy, Stephen J. Kumar EVALUATION OF SEMINAL PLASMA IONIC COMPOSITION DURING OFF-SEASON SPAWNING OF *Cyprinus carpio* (LINNAEUS, 1758) FROM MANIMUTHAR REGION OF SOUTH INDIA
- 32 Rameshwar Bhosle, Rameshwar Bhosle, Balasaheb Chavan,
 Mangesh Bhosale, Judith Betsy, Sadanand Kamble, Dharamakar Padala
 NURSERY REARING OF ALL MALE GIFT TILAPIA *Oreochromis niloticus* FOLLOWING
 GREEN WATER SYSTEM IN CEMENT TANK
- 33 Lovedeep Sharma, R.N. Ram, Anvar Ali P.H.
 BROODSTOCK AGE IMPACT ON REPRODUCTIVE PROFILE AND DEVELOPMENT OF
 COMMON CARP Cyprinus carpio var. communis
- Apolinar Santamaria, Juan Pablo Apun-Molina, Claudia Imelda Cervantes-Mejia, Giovanni M. Giacobbe Baldini, Jorge Herrera-Olmos, Urfila V. Pelaez-Estrada ANALYSIS OF THE GONADAL DEVELOPMENT OF PARGO *Lutjanus colorado* BY MEANS OF BLOOD TESTING IN WILD ORGANISMS FOR ITS REPRODUCION IN CAPTIVITY IN SINALOA MEXICO
- 35 Selvaraj Sethu, Felix Sugantham
 REPRODUCTIVE REGULATORS OF TILAPIA: AN OVERVIEW AND FUTURE
 PERSPECTIVES
- 36 Karthy Arjunan, Rajesh Kumar, Utkal Laxmi Mohanty, Debashree Debasmita, Radhakrishnan Kalidoss, Bindu R. Pillai EFFECT OF DEFERRED INITIAL FEEDING ON THE GROWTH AND SURVIVAL OF STRIPED MURREL *Channa striata* LARVAE

- 37 Amanjit Nayak, Manoj Kumar Jena, Sushree Sangeeta Dey,
 Saumyendra Nanda
 EFFICACY OF TWO INDUCING AGENTS CRUDE PITUITARY EXTRACT AND OVATIDE IN
 THE INDUCED BREEDING OF SILVER BARB *Puntius gonionotus*
- 38 Karal Marx K., Muthumaran A., Rathipriya A.
 INDUCED BREEDING, *IN VITRO* FERTILIZATION AND EMBRYONIC DEVELOPMENT OF
 ASIAN CATFISH *Clarias batrachus*

ALTERNATIVE MEDICINES POSTERS

Board

40 Saratu Abdulkareem. Olufemi Owolabi

HISTOPATHOLOGICAL IMPLICATION OF ZINC OXIDE NANO-PARTICLES ON GILLS AND LIVER OF *Heterobranchus longifilis* AND AMELIORATIVE POTENTIALS OF ASCORBIC ACID

- 41 Anjusha K.V., Ganapathi Naik M., Dharmakar Padala, Ramesh K.S., Abhiman P.B., Rakesh K.

 EFFECT OF CINNAMON *Cinnamomum verum* ON *Labeo rohita:* HEMATOLOGY, AND DISEASE RESISTANCE
- **Dharmakar Padala**, Ganapathi Naik M., Anjusha K.V., Ramesh K.S., Abhiman P.B., Md Abdullah Al Mamun EFFECT OF DIETARY PEPPERMINT *Mentha piperita* IN DISEASE RESISTANCE AND HEMATOLOGY OF INDIAN MAJOR CARP, ROHU *Labeo rohita*
- 43 Parthasarathy Mahadevan, Anand Theivasigamani, Anitha Selvam,
 Vetrivel Velayudham
 IN VITRO ANTIBACTERIAL ACTIVITY, BIOCHEMICAL CONSTITUENTS AND
 ANTIOXIDANT ACTIVITY OF A MARINE MACROALGAE Sargassum tenerrimum
- 44 Parthasarathy Mahadevan, Anand Theivasigamani, Anitha Selvam
 ANTIBACTERIAL ACTIVITY OF SOME SELECTED MARINE MACROALGAE AGAINST
 FISH PATHOGENIC BACTERIA
- 45 Citarasu Thavasimuthu, Lelin Chinnadurai, Thirumalaikumar Eswaramoorthy, Uma Ganapathi, Abinaya Paramachandran, Michaelbabu Mariavincent Lytic bacteriophage ISOLATED FROM SEMI-INTENSIVE SHRIMP FARM AND ITS' BIOFILM INHIBITION ACTIVITY AGAINST Vibrio vulnificus
- 46 Anutosh Paria, Atul Krishna Dev, Gaurav Rathore, Neeraj Sood, Pravata Kumar Pradhan EFFICACY OF SELECTED ANTIFUNGAL DRUGS AND DISINFECTANTS AGAINST Aphanomyces invadans IN VITRO
- 47 Sravani Savva, Ravichandran S.
 DISEASE FREE AND POLLUTION FREE PONDS
- 49 Md Abdullah Al Mamun, Nasren Shamima, Sanjay Singh Rathore, P.B. Abhiman, K.S. Ramesh STUDIES ON INFECTION VARIATION OF FISH TO Argulus japonicus AND TRIAL FOR ARGULOSIS TREATMENT

AMR POSTERS

Board # 55 Justin Kemp, Renee Larocque, Armando Heriazon WHERE HAVE GENES ASSOCIATED WITH ANTI-MICROBIAL RESISTANCE BEEN REPORTED IN GLOBAL AQUACULTURE? A SYSTEMATIC MAP PROTOCOL

- 56 Dong-bin Yun, Do-Hyung Kim ANALYSIS OF ANTIBIOTIC RESISTANCE PATTERNS AND ABUNDANCE OF INDICATOR BACTERIA FROM FISH FARMS IN THE COASTAL AREA OF THE SOUTH SEA AND WEST SEA
- 57 Rosalind George Mulloorpeedikayil, Riji John Kollanoor, Sakthi Kavita M.,
 Mohamed Mansoor M., Selvamagheswaran M.
 ANTIBIOTIC SENSITIVITY PATTERN OF BACTERIAL ISOLATES OBTAINED FROM
 SHRIMP FARMING SYSTEMS OF TAMIL NADU, INDIA
- 58 Hardik Majethia, Pani Prasad K., Jeena K., Tapas Paul, Abisha Juliet Mary S.J., Ramesh M.
 ASSESSMENT OF ANTI-MICROBIAL RESISTANCE IN BRACKISHWATER SHRIMP FARMS OF MAHARASHTRA
- 59 Chrisolite B., Thiyagarajan S., Alavandi S.V.
 STUDY ON THE BIOLOGY OF TWELVE LYTIC PHAGES OF LUMINESCENT Vibrio harveyi
 ISOLATED FROM SHRIMP Penaeus monodon HATCHERIES

DIAGNOSTICS POSTERS

- **Kaviarasu D.**, Riji John K., Rosalind George M., Mohamed Mansoor M., Mageshkumar P., Selvamagheswaran M. EXPERIMENTAL INFECTION OF ROHU *Labeo rohita* JUVENILE WITH KOI RANAVIRUS (KIRV)
- 66 Akshaya Lakshminarayanan, Ghadhevaru Sarathchandra, K. Karal Marx MONITORING OF ENROFLOXACIN AND ITS CHIEF METABOLITE CIPROFLOXACIN IN GOLDFISH *Carassius auratus* BY HIGH-PERFORMANCE THIN LAYER CHROMATOGRAPHY
- **Petchimuthu M.**, Rosalind George M., Rijijohn K., Mohamed Mansoor M., Mageshkumar P., Selvamagheswaran M.

 EXPERIMENTAL PATHOGENICITY STUDY OF *Photobacterium damselae* subsp. damselae IN POMPANO FISH *Trachinotus carolinus*
- **Dhayanath M.**, Pani Prasad Kurcheti, Abisha Juliet Mary S.J. ARTIFICIAL INTELLIGENCE IN FISH PATHOLOGY
- 69 Sureandiran Yadhav, Shanmugapriya B.
 PREVALENCE OF OVARIAN PARASITIC NEMATODE INFESTATION OF FISHES OF
 PARANGIPETTAL COAST

- 70 Naveen Nivas, Kompita Ghosh INCIDENCE OF BLACK GILL DISEASE IN WHITE LEG SHRIMP *Litopenaeus vannamei*
- 71 Iyyappan Somasundharam, Aishwarya Chakraborty A STUDY ON THE PREVALENCE OF WHITE SPOT SYNDROME VIRUS (WSSV) IN WILD SHRIMP *Penaeus monodon* (FABRICIUS, 1798) AND EXPERIMENTAL EVALUATION OF ITS INFECTIVITY ON MUD CRAB *Scylla olivacea* (HERBST, 1796), AN ASYMPTOMATIC CARRIER OF WSSV

DISEASE DIAGNOSIS AND MANAGEMENT POSTERS

- **Abisha Juliet Mary Simon**, Pani Prasad Kurcheti, Ramesh Mittapalli, Tapas Paul, Hardik Majethia
 SURVEILLANCE OF EHP IN MAHARASTRA AND GUJARAT
- 76 Prakkan Hillol, Murugesan P., Bharathidasan V., Mahadevan G. EMERGING LARVAL HEALTH ISSUES IN Litopenaeus vannamei (BOONE, 1931) – A CASE STUDY
- 77 **Daniel Paredes-López**, Carmela Rebaza, Ricardo Oliva PATHOLOGY ASSOCIATED WITH *Pseudomonas* sp. IN *Pseudoplatystoma fasciatum*
- 78 Vandana V.R., Nalini Poojary, Gayatri Tripathi, Pavan Kumar A., Sanil N.K., Rajendran K.V.
 A NEW MICROSPORIDIAN PARASITE, Microgemma boleophthalmi sp. nov. CAUSING HEPATIC MICROSPORIDIOSIS OF BRACKISHWATER FISH, MUDSKIPPER Boleophthalmus dussumieri (VALENCIENNES, 1837)
- **Gangatharan S.**, Uma A., Anitha R., Rebecca G., Karthik P., Ganesh Babu S. ISOLATION AND CHARACTERIZATION OF *Photobacterium damselae* FROM MARINE FISH
- 80 María Soledad Gutiérrez, Saphiro Bastias, Mario Caruffo, Carmen G. Feijóo, Paola Navarrete EFFECT OF A *Vibrio anguillarum* INFECTION IN THE INTESTINAL MICROBIOTA COMPOSITION OF THE ZEBRAFISH *Danio rerio* MODEL
- 81 Sudhakaran R., K. Karal Marx, Godwin Christopher J.
 ABNORMAL WATER PARAMETERS AS POTENTIAL STRESS TO INDUCE TILAPIA LAKE
 VIRUS (TILV)
- 82 Keerthi Koruprolu, Rosalind George M., Riji John K.
 ISOLATION AND CHARACTERIZATION OF Flavobacterium SPECIES AND Edwardsiella
 tarda FROM INFECTED FISHES AND ENVIRONMENTAL SAMPLES
- 83 Kishan Kalaria, Riji John, Rosalind George, Padmavathy P.
 INVESTIGATIONS ON THE SUSCEPTIBILITY OF GIFT TILAPIA TO Streptococcus agalactiae INFECTION
- **Amruta Mohapatra**, Pramoda Kumar Sahoo, Sonali Parida,
 Jyotirmaya Mohanty, Navajeet Chakravartty, Sajesh P.K., V.B. Reddy Lachagari
 A TRANSCRIPTOME PROFILE OF *Argulus siamensis* MALE AND FEMALE PARASITES
 BY PAC-BIO SINGLE MOLECULE REAL-TIME (SMRT) LONG READ SEQUENCING

- 85 Anirban Paul, Pramoda Kumar Sahoo, Anirban Paul, Manoj Kumar Sahoo, Sabyasachi Pattanayak, P. Rajesh Kumar, Basanta Kumar Das INCIDENCES OF INFECTIOUS DISEASES IN FRESHWATER AQUACULTURE FARMS OF EASTERN INDIA: A PASSIVE SURVEILLANCE BASED STUDY FROM 2014-2018
- 87 Chandra Bhushan Kumar, Gaurav Rai, Manoj Kumar Yadav, Ranjana Srivastava, Neeraj Sood, P.K. Pradhan, Gaurav Rathore COINFECTION OF Flavobacterium columnare AND Saprolegnia ferax IN CULTURED PACU Piaractus brachypomus (CUVIER, 1818)

AQUATIC ANIMAL HEALTH POSTERS

- 90 Sampa Pal, Anutosh Paria, K. Sreedharan, A. Deepika, Gaurav Rathore, Megha Bedekar, M. Makesh, K.V. Rajendran
 MOLECULAR CHARACTERISATION AND INDUCTIVE EXPRESSION OF PROINFLAMMATORY CYTOKINE INTERLEUKIN-18 (II-18), FOLLOWING LIGAND
 - INFLAMMATORY CYTOKINE INTERLEUKIN-18 (IL-18), FOLLOWING LIGAND EXPOSURE AND BACTERIAL INFECTION IN GREEN CHROMIDE Etroplus suratensis
- 91 Chinmayee Muduli, Anutosh Paria, Gaurav Rathore, P.K. Pradhan, Neeraj Sood, K.K. Lal
 REFERENCE RANGE OF IMPORTANT HUMORAL INNATE IMMUNE REPERTORIES IN SERUM AND MUCUS OF INDIAN CATFISH Clarias magur
- 92 Ravindra Chhimwal, Veena Pande, Pravata Pradhan
 IMMUNE GENE EXPRESSION PROFILING IN INDIAN MAJOR CARP Catla catla
 CHALLENGED WITH Flavobacterium columnare
- 93 Shameena S.S., Ram Prakash Raman, Kundan Kumar NEUTROPHIL EXTRACELLULAR TRAPS: A NOVEL CELL DEATH MECHANISM IN BACTERIA
- **Lavanya Chethurajupalli**, Neeraja Tambinee

 EFFECT OF BIOFLOC, SUBSTRATE AND SUBSTRATE INTEGRATED BIOFLOC BASED
 SYSTEMS ON MICROBIAL COMPOSITION, GROWTH AND IMMUNE RESPONSE OF
 PACIFIC WHITE SHRIMP Penaeus vannamei (BOONE, 1931)
- 95 Amruta Mohapatra, Sweta Das, Swedeshna Dey, Pramoda Kumar Sahoo MOLECULAR CHARACTERIZATION OF COMPLEMENT COMPONENT C9 OF ROHU Labeo rohita
- 96 Gabriel Arriagada, Sandra Marín, Cristian Gallardo-Escárate, Marcela Lara, Alicia Gallardo IDENTIFICATION OF SUCCESS FACTORS FOR ANTIPARASITIC TREATMENTS AGAINST THE SALMON LOUSE Caligus rogercresseyi THROUGH AN EXPERT PANEL
- 97 Mathan Ramesh, Sivashankar Renuka, Sathisaran Umamaheswari,
 Chellappan Shobana
 ECOTOXICOLOGICAL EFFECT OF ERYTHROMYCIN TO A FRESHWATER FISH Labeo
 rohita: HEMATOLOGICAL AND BIOCHEMICAL RESPONSES
- 98 Aruljothi K., Karal Marx K., Angela Mercy A., Malathi S., Ambika Binesh, Kaliyamurthi V. ANAESTHETIC EFFICACY OF 2-PHENOXYETHANOL IN FINGERLINGS OF KOI CARP Cyprinus carpio

- 99 Thanalakshmi A., Uma A., Kaliyamurthi V., Karal Marx K. EFFICACY OF HERBAL EXTRACT OF *Acorus calamus* (VASAMBU) AGAINST *Argulus* spp., AN ECTOPARASITE OF FISH BY *IN VITRO* METHOD
- 100 Harishkumar R., Immanuel Selvaraj Cinnadurai, Godwin Christopher J. EFFECT OF CURCUMIN INDUCED OXIDATIVE STRESS IN ZEBRAFISH
- Minh Duc Pham, Hien Tran Thi Thanh, Satoru Onoda
 EFFECTS OF HEAT-KILLED Lactobacillus plantarum L137 ON LARVAE AND GROWTH
 PERFORMANCE OF WHITE LEG SHRIMP Litopenaeus vannamei JUVENILES
- 102 Mathieu Castex, Eric Leclercq, Liet Chim
 PROBIOTIC P. acidilactici MA18/5M ENHANCES THE SHRIMP ANTIOXYDANT
 DEFENCES AND GROWTH: BENEFICIAL EFFECTS AND POSSIBLE PHYSIOLOGICAL
 MFCHANISMS
- 103 R. Beryl Julinta, T. Jawahar Abraham, Anwesha Roy, Jasmine Singha
 ORAL DOSING OF EMAMECTIN BENZOATE ON THE SAFETY, GROWTH, SURVIVAL AND
 SERUM BIOCHEMISTRY OF Oreochromis niloticus L.
- 104 B. Madhusudhana Rao, Gireesh Babu P., Rupam Sharma, Gayatri Tripathi,
 Megha Kadam Bedekar
 STUDIES ON ENVIRONMENTAL TRANSMISSION OF CHITOSAN/PLGA/pDNA VACCINE
 COMPLEX AGAINST Edwardsiella tarda
- Ingoba Meitei Pangambam, Vijay Sunder Deva G., David Waikhom,
 Judiana Nongkynrih
 BACTERIAL GHOST VACCINES AS AN ALTERNATIVE SOUL FOR FISH DISEASES
- Vijay Sundar G., Sona B.R., Ingoba Meitei Pangambam, Senguttuvan G., Phibi Philip N.
 APPLICATION OF DIVA METABOLOMICS IN DIFFERENTIATING VACCINATION STATUS
 IN AQUATIC ANIMALS FOLLOWING NATURAL INFECTION
- 107 Shao-Yang Hu, Febriyansyah Saputra, Sai-Wei Chen
 VERIFICATION OF BENEFICIAL EFFECTS OF DIETARY PROBIOTICS IN ZEBRAFISH
 MODEL AND PRACTICAL APPLICATION IN TILAPIA AQUACULTURE
- 108 Vivekananda Babu, Muhil Vannan S., Karthick raja B., Gopalakrishnan A.
 PREVALENCE OF ANCHOR WORM INFECTION IN COMPOSITE CARP CULTURE PONDS
 OF CAUVERY DELTA TAIL-END REGION

BIOTECHNOLOGY, NANOTECHNOLOGY AND OMICS IN AQUACULTURE POSTERS

- 115 Sathiyanarayanan Arjunan, Mukunda Goswami, Gireesh Babu, Naresh Nagpure, Dhanjith Kumar Das
 ESTABLISHMENT OF A GILL CELL LINE PHG FROM THE STRIPED CATFISH
 Pangasianodon hypophthalmus (SAUVAGE, 1878)
- Pedro M. Rodrigues, Denise Schrama, Cláudia Raposo, Annette Kuehn EFFECT OF EDTA SUPPLEMENTATION ON GILTHEAD SEABREAM ALLERGENICITY; A PROTEOMICS APPROACH

- **Ambika Binesh**, Kaliyamurthi Venkatachalam, K. Aruljothi, K. Karal Marx, A. Angela Mercy
 THE FISH PLASMA PROTEOME A BIOMARKER OF DISEASE
- 118 A.C. Rathiesh, M. Srinivasan, N. Vignesh
 COMPUTATIONAL SEQUENCE INVESTIGATION AND IN SILICO MODELING OF A
 STRESS RESPONSE PROTEIN ENCODED BY Oreochromis niloticus GENE
- 119 Safna P., Gireesh Babu P.
 DNA ORIGAMI DRUG DELIVERY
- 120 Vinothini Vaz M., Madhan K., Kesavan D.
 DEVELOPMENT OF HALOCHROMIC SENSOR FOR MONITORING SPOILAGE OF PACKAGED FISH
- 121 Won-kyong Chun, Do-Hyung Kim
 EFFECT OF PROBIOTICS TO BALANCE INTESTINE MICROBIOME IN OLIVE FLOUNDER
 Paralichthys olivaceus AFTER AMOXICILLIN ADMINISTRATION
- 122 Yilei Wang, Haifu Wang, Xiwei Jia, Zhihua Zou, Wanshu Hong, Ziping Zhang THE SINGLE-MOLECULE LONG-READ SEQUENCING OF Scylla paramamosain
- 123 Jiyeon Park, Do-Hyung Kim
 COMPLETE GENOME ANALYSIS OF Flavobacterium psychrophilum ISOLATED FROM
 DISEASED RAINBOW TROUT IN KOREA
- 124 Balaganesan Mariappan, K. Karal Marx, Felix Nathan, Krithika M.R.
 DIMORPHIC EXPRESSION OF TRANSCRIPTION FACTORS DURING GONADAL
 DEVELOPMENT IN Lepidocephalus thermalis
- 125 Sofia Priyadarsani Das, Gargee Das, Amrita Bit, Lakshman Sahoo, Paramananda Das LOW-DEPTH NEXT GENERATION SEQUENCING: A NOVEL, EFFICIENT AND COST-EFFECTIVE METHOD FOR MARKER DISCOVERY IN CLIMBING PERCH Anabas testudineus
- **Amrita Bit**, Sofia Priyadarsani Das, Lakshman Sahoo, Paramananda Das SNP DISCOVERY IN INDIAN MAJOR CARP *Labeo rohita* USING NEXT GENERATION SEQUENCING
- 127 Priyanka Das, Soumendranath Chatterjee, Bijay Kumar Behera, Basanta Kumar Das SCREENING AND CHARACTERIZATION OF SALT STRESS TOLERANT GENES OF MICROBIAL ORIGIN
- 128 Karal Marx K., Anna Durai J., Stephen Sampath Kumar J., Rathipriya A.
 DEVELOPMENT OF CAPTIVE BROODSTOCK OF *Clarias batrachus* AND
 CRYOPRESERVATION OF SPERMATOZOA
- **Hemamalini N.**, Aparna Chaudhari, Gireesh-Babu P., Jai K. Kaushik EFFECT OF HOMEMADE RNALATER ON THE QUALITY OF RNA
- 130 Angela Mercy A., Chrisolite B., Aruljothi K., Hemamalini N., Kaliyamurthi V., Ambika Binesh, Karal Marx K.

 IN VITRO ANTIBACTERIAL ACTIVITY OF CHITOSAN NANOPARTICLES AGAINST Vibro parahaemolyticus AND V. alginolyticus

- 131 Arunachalasivamani Ponnusamy, Selvakumar Senthil FISH AS BIO-REACTOR PRODUCTION OF HUMULIN
- Archana Mishra, Utsa Roy, Simran Krishnakant Kushwaha, Suhasini Lulla, Reeti Prajapati
 A RAPID, SIMPLE AND LOW COST MODIFIED CTAB METHOD FOR HIGH QUALITY GENOMIC DNA EXTRACTION FROM SHIP BARNACLE *Balanus* sp.
- Angela Mercy A., Gireesh-Babu P., Muralidhar P. Ande, Aparna Chaudhari
 UPTAKE AND BIO-DISTRIBUTION OF GFP EXPRESSION PLASMID IN *Penaeus*vannamei POST-LARVAE DELIVERED THROUGH IMMERSION ROUTE
- Wilson Sebastian, Sandhya Sukumaran, Zacharia P.U., A. Gopalakrishnan ISOLATION AND CHARACTERIZATION OF AQUAPORIN 1 (AQP1), SODIUM/ POTASSIUM-TRANSPORTING ATPASE SUBUNIT ALPHA-1 (NA/K-ATPASE 1), HEAT SHOCK PROTEIN 90 (HSP90), HEAT SHOCK COGNATE 71 (HSC71), OSMOTIC STRESS TRANSCRIPTION FACTOR 1 (OSTF1) AND TRANSCRIPTION FACTOR II B (TFIIB) GENES FROM A EURYHALINE FISH Etroplus suratensis

BRACKISHWATER AQUACULTURE POSTERS

Board # 140

Elena Anufriieva. Nickolai Shadrin

HYPERSALINE LAKES AND LAGOONS: BIOPRODUCTIVITY AND PROSPECTS FOR AQUACULTURE AND BIOTECHNOLOGY

- Guizhong Wang, Haihui Ye, Qingling Jiang
 ROLE OF CRUSTACEAN FEMALE SEX HORMONE (CFSH) IN SEX DIFFERENTIATION IN
 THE EARLY STAGE JUVENILE OF THE MUD CRAB Scylla paramamosain
- M. Mojibar Rahman, Shahroz Mahean Haque, M. Abdul Wahab, Christopher Brown, Hillary Egna
 AN ASSESSMENT OF THE MUD CRAB AQUACULTURE IN COASTAL BANGLADESH: UNDERSTANDING THE CURRENT TECHNOLOGIES AND DEVELOPMENT PERSPECTIVES
- **Somu Sunder Lingam R.**, Babita Rani A.M., Neelam Saharan, Suresh Babu P.P. EFFECT OF PROLONGED SALINITY EXPOSURE ON GROWTH AND PHYSIOLOGICAL CHANGES IN *Pangasionodon hypophthalmus* FINGERLINGS
- 144 R. Sangeetha, J.M.V. Kalaiarasi
 BIOMONITORING OF TOXIC HEAVY METALS AND PREVAILING MICROBIAL LOAD IN
 WHITELEG SHRIMP *Litopenaeus vannamei* (BOONE, 1931) FARMS OF VELLAKULAM
 VILLAGE. THIRUVALLUR DISTRICT. TAMIL NADU
- P. Ruby Ponnusamy, S. Athithan, B. Ahilan Baboonsundaram, C.B.T. Rajagopalsamy, G. Sugumar, S. Felix INFLUENCE OF BIOFLOC MEAL ON THE GROWTH PERFORMANCE OF PACIFIC WHITE SHRIMP Litopenaeus vannamei
- **Suchismita Prusty**, G.C. Kund CULTURE PRACTICE OF *Penaeus monodon* IN ECO-FRIENDLY ENVIRONMENT

- Anand Theivasigamani, Arasan Srinivasan, Padmavathy Pandurengan,
 Jawahar Paulraj, Suryakumar Boriah
 BIOFLOC SYSTEMS AS NURSERY REARING UNITS FOR *Penaeus vannamei* SHRIMP
 CULTURE SYSTEMS BY UTILIZING MOLASSES AS CARBON SOURCE
- 148 Aleena George, Yogeshwari R., Little Flower Pricilla A., Nisha A., Bhotichittaun K. GROWTH PERFORMANCE OF *Litopenaeus vannamei* POST LARVAE IN NURSERY REARING INDIAN EXPERIENCE
- 149 Subramaniyan Manikandan, Pinaki Jena A COMPARATIVE STUDY ON GROWTH PERFORMANCE OF *Litopenaeus vannamei* (BOONE, 1931) UNDER NURSERY REARED AND DIRECT STOCKING CULTURE SYSTEMS
- 150 Bharathi Subramaniam, Phibi Philip N., Somu Sunder Lingam R., Naveenraj M., Gopika Radhakrishnan, Rajagopalasamy C.B.T., Ahilan B., Uma A., Cheryl Antony, Tamilarasu A.

 AQUAMIMMICRY: AN INNOVATIVE CONCEPT FOR SUSTAINABLE AND ECO-FRIENDLY SHRIMP PRODUCTION

ECONOMICS. MARKETING.TRADE AND POLICY POSTERS

- Freeda Rebecca Bastian, Mini Sekharan N.
 Third Party Logistics Services in Seafood Export from Kerala, India
- 156 R. Geetha, T. Ravisankar, S. Vinoth, C.V. Sairam, K.K. Vijayan ANALYSIS OF U.S. SHRIMP IMPORTS FROM INDIA AND OTHER MAJOR EXPORTERS: THE GRAVITY MODEL APPROACH
- 157 Suriya A., Geetha Priya R.S., Regupathi R.
 OFFSHORE MOBILE FISHING HARBOUR
- 158 Priya Mohandas
 MODERN FISH AND MEAT RETAILING STARTUPS IN INDIA: EMERGING THEMES AND
 CHALLENGES
- **Pownkumar V.**, P.S. Ananthan, V. Gomathy
 MARKET STUDY OF FRESHWATER FISHES IN DELHI'S GAZIPUR WHOLESALE FISH
 MARKET
- Thriveni Kasukurthi, Jayaraman R., Balasubramanian A., Madhavan N., Ramana T.V., Suman T., Ajusha K.V., Dharmakar P.
 MARKETING PROFILE OF SELECTED MARINE FISHES AT THE FISH LANDING CENTRES OF NELLIRE, ANDHRA PRADESH
- 161 Mohammed Meharoof, Roshan K.T Hafeef, Mohammed Ihzan M.P., Philip N. Phibi PATTERNS AND PROJECTIONS OF FISH CONSUMPTION AND MARKET POTENTIAL IN MUMBAI SUBURBAN
- 162 Ramanan Mahadevan
 NEW DIMENSIONS IN FINANCING AQUACULTURE PROJECTS

- 163 Varun Mishra, Neeraj Pathak, Archit Shukla, Brahmanand Shukla MARKETING OF FISH IN UDAIPUR DISTRICT OF RAJASTHAN
- 164 Senthilkumar Varadaraju, Stepehensampathkumar John IMPACT OF FRESHWATER AQUACULTURE DEVELOPMENT SCHEMES IN CAUVERY DELTA REGION

BIODIVERSITY POSTERS

- 170 Olufemi Owolabi, Saratu Abdulkareem
 - TOXICITY OF ZINC OXIDE NANO-PARTICLES ON SOME ENZYMATIC PARAMETERS OF Heterobranchus longifilis AND AMELIORATIVE POTENTIAL OF ASCORBIC ACID
- 171 Suman Takar, U.R. Gurjar, Jyoti Saroj, A. Dwivedi, Geetanjali Deshmukhe, A.K. Jaiswar BIODIVERSITY OF MANGROVES AND ASSOCIATED BENTHIC ORGANISMS ALONG MUMBAI COAST, INDIA
- 172 Santhoshkumar S., Rajagopalsamy C.B.T., Jawahar P., Sundaramoorthy B.
 ANALYSIS OF LENGTH WEIGHT RELATIONSHIP OF *Nibea maculata* (SCHNEIDER, 1801) FROM THOOTHUKUDI COAST
- 173 Sri Hari M., A.K. Jaiswar
 MEASURING THE PROGRESS OF MARINE PROTECTED AREAS: AN INDIAN SCENARIO
- Sudhan Chandran, David Kingston, Jawahar Paulraj, Aanand Samraj, Mogalekar H.S., Ajith Stalin, Brema K.L., Moulitharan N., Tamilselvan R. A CRITICAL NOTE ON BIOINVASION OF ALIEN SPECIES LORICARRID VERMICULATED SAILFIN CATFISH IN SOUTHERN TAMIL NADU
- 175 Moulitharan Nallathambi, Praveenraj Jayasimhan, Jayakumar N., Uma Arumugam, Kodeeswaran Paramasivam
 FIRST REPORT OF *Pterygoplichthys disjunctivus* AN EXOTIC INVASIVE,
 SUCKERMOUTH CATFISH FROM ARANI RIVER, TIRUVALLUR DISTRICT, TAMIL NADU
- 176 Kodeeswaran P., Jayakumar N., Praveenraj J., Abarna K., Moulitharan N.
 A DIVERSITY OF TETRAODONTIFORMES (FAMILY: TETRAODONTIDAE, DIODONTIDAE)
 IN FISH BYCATCH OF TRAWL NET FISHERY OF CHENNAL COAST
- 177 Abhijit Mallik, Puja Chakraborty, Shashi Bhushan, Vikas , A.K. Jaiswar, N. Sarang STOCK STRUCTURE ANALYSIS OF *Priacanthus hamrur* (FORSSKAL, 1775) FROM INDIAN WATERS
- 178 Nirmal T., Abuthagir Iburahim S., Alexandre Ribeiro da Silva, Ashok Kumar Jaiswar ONTOGENIC ALLOMETRY AND SEXUAL MATURITY OF HERMIT CRAB *Diogenes alias* (MCLAUGHLIN & HOLTHUIS, 2001) (DECAPODA: ANOMURA)
- 179 Pavinkumar P., Jawahar P., Padmavathy P.
 STUDY OF FISH FAUNA IN KORAMPALLAM THERMAL ESTUARY, THOOTHUKUDI,
 SOUTHERN TAMIL NADU
- 180 Kesavan S., K.A. Martin Xavier, Neha W. Qureshi, Latha Shenoy ESTIMATION OF JUVENILES IN TRAWL FISHING ALONG MUMBAI COAST, MAHARASHTRA

- 181 Rinchen Bhutia, Murugesan SriHari, Talagunda Nagesh, Geetanjali Deshmukhe, Karan Ramteke, Asha Landge DIFFERENCES IN THE STOCKS OF NEAR THREATENED GANGETIC AILIA Ailia coila FROM TWO PERENNIAL RIVERS OF INDIA
- 182 Sundaramoorthy B., Venkataramani V.K., Sudhan C., Subburaj A.
 ABUNDANCE AND MANAGEMENT OF PENAEID SHRIMP SPECIES ALONG THE COAST
 OF THOOTHUKUDI, TAMIL NADU
- 183 Dhanya M. Lal, Zeba Jaffer Abidi, Nalini Poojary, Rama Sharma, Bavithra R.
 MICRO STRUCTURAL AND HISTOLOGICAL STUDIES REVEALED ADAPTIVE BENEFITS
 IN PHARYNGEAL JAW ARCHITECTURE FOR FEEDING PERFORMANCE OF SELECTED
 TELEOSTS
- 184 Chinnavenkataraman Govindasamy
 ECOLOGICAL SWIM-IN RESTAURANT FOR SEAGRASSES
- 185 Pravej Kolhe, M.S. Chari, Dushyant Damle, Sandeep Sahu, H.K. Vardia FISH FAUNA IN THE SEONATH RIVER BASIN AND THEIR CATCHMENT AREA OF RAJNANDGAON DISTRICT OF CHHATTISGARH

CLIMATE CHANGE POSTERS

Board

Phiros Shah

UNRAVELLING THE PRODUCTIVITY FLUCTUATIONS IN THE COASTAL ENVIRONMENT – CAUSES AND EFFECTS

- 190 Velumani T., Ananthan P.S., Boomaiah D., Krishnan P.
 GLOBAL RESEARCH IN CLIMATE CHANGE AND FISHERIES: A SCIENTOMETRIC
 ANALYSIS
- 191 Chitra Soman, B.B. Nayak, Dhanya M. Lal, Saritha S., Karankumar K. Ramteke, Geetanjali Deshmukhe
 IMPACT OF EUTROPHICATION ON OCEAN ACIDIFICATION: A STUDY ALONG COASTAL WATERS OF MUMBAI, MAHARASHTRA, INDIA
- 192 Muhammad Shafeeque, Balchand A.N., Phiros Shah, Shubha Sathyendranath, Trevor Platt, Nandini Menon N., Grinson George INTER-ANNUAL VARIABILITY OF Chlorophyll-a AND IMPACT OF EXTREME CLIMATIC EVENTS ALONG THE SOUTH-WEST COAST OF INDIA
- 193 Senguttuvan G., Phibi Philip Naduvathu, Rajesh Dash, Vijay Sundar Deva G.
 BIOCHAR IN MITIGATION OF N20 EMISSION AND CONTROLLING PLANT DISEASES IN
 AQUAPONICS
- 194 Phiros Shah, Muhammad Shafeeque, Trevor Platt, Subha Sathyendranath, Neethu V.G., Pooja A.S., Akash S., Grinson George UNRAVELLING THE PRODUCTIVITY FLUCTUATIONS IN THE COASTAL ENVIRONMENT CAUSES AND EFFECTS
- 195 Pooja A.S., Mini K.G., Phiros Shah, Muhammad Shafeeque, Akash S., Sathianandan T.V., Nameer P.O., Grinson George CLIMATE CHANGE IMPACT AND PREDICTING VARIABILITIES IN THE ENVIRONMENTAL HEALTH OF MARICULTURAL PRACTICES IN THE EASTERN ARABIAN SEA

ENVIRONMENTAL ISSUES AND MANAGEMENT POSTERS

Board

200

A. Velmurugan, Dam Roy, Swarnam T.P., Subramani T.

LANDSHAPING FOR IMPROVING THE LIVELIHOOD OF COASTAL COMMUNITIES IN VULNERABLE AREAS

- **201 Udai Gurjar**, Suman Takar, M.S. Sawant, Ajay Kumar, V.H. Nirmale, R.A. Pawar STOCK ASSESSMENT OF WHITE SARDINE *Escualosa thoracata* ALONG RATNAGIRI COAST, INDIA
- 202 Subburaj A., Francis T., Jawahar P., Jayakumar N., Santhoshkumar S., Sundaramoorthy B.
 SUB-LETHAL COPPER TOXICITY INDUCED HISTOPATHOLOGICAL CHANGES IN THE BRAIN AND TESTIS OF GOLDFISH Carassius auratus
- 203 Shivakrishna Avadootha, Ramteke Karan kumar, Pankaj Prasad, Abidi Zeba Jaffer IMPACT OF AQUACULTURE GROWTH ON KOLLERU LAKE AREA, INDIA USING REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM
- 204 Malathi Sampath, Padmavathy P., Srinivasan A., Ahilan B.
 ASSESMENT OF MERCURY LEVEL IN FISHES OF GULF OF MANNAR COAST, TAMIL
 NADU. INDIA
- 205 Mudeet Saxena, Padmavathy P., Rani V., Jaculine J.
 BIOACCUMULATION OF SELECTED HEAVY METALS IN FISHES OF THOOTHUKUDI
 COASTAL WATERS
- 206 Jitendra Kumar, S. Benakappa, Gangadhara Gowda, Harsha Nayak, Lakshmipathi M.T., Shivakumar M., H.N. Anjanayappa, S.R. Somashekara, A.T. Ramachandra Naik, Kumar Naik A.S.
 DYNAMICS OF FOOD AND FEEDING HABITS OF Rastrelliger kanagurta OFF MANGALORE COAST. SOUTH-WEST COAST OF INDIA
- **207 Muthiah Sethupathy Paranjothi**, Chandran Srinivasan, Lavanya Karthikeyan DECAMPING FISH FROM OIL SPILL (DFO METHOD)
- 209 Surajit Kangsa Banik, Basanta Kumar Das, Archan Kanti Das, Hemanta Choudhury, Bijay Kumar Behera, Ganesh Chandra, Subrata Das LIMNOLOGY, TROPHIC STATUS AND FISH YIELD POTENTIAL OF SARDAR SAROVAR RESERVOIR. INDIA

WASTE MANAGEMENT AND BIOREMEDIATION POSTERS

Board # 215

Rani V., Padmavathy P., Jawahar P.

SEAWEED EXTRACT AS AN ORGANIC MEDIUM FOR THE GROWTH AND MAINTENANCE OF MARINE MICROALGAL SPECIES

216 Bindu Sulochanan, Veena S., Sujith Kumar, Reeta Jayasankar PHYTOREMEDIATION OF INSHORE WATER OF MANGALURU

- 217 Kathiresan K., Rani V., Padmavathy P., Jawahar P.
 COMPARATIVE ANALYSIS OF THE MINERAL COMPOSITION OF SEAWEED EXTRACT
 Sargassum sp. AND FERMENTED TRASH FISH TO ASSESS THEIR SUITABILITY AS A
 LIQUID FERTILIZER
- 218 Chandran Srinivasan, Hermon Jisha, Arun Pandian, Arunchala Sivamani, Somu Sunder Lingam
 FISH WASTE MANAGEMENT: CULTURING AZOLLA USING FISH MANURE
- 219 Nitin Trivedi, Himanshu Sati BIOREMEDIATION OF MARICULTURE WASTEWATER USING GREEN SEAWEED
- 220 Ramar M.
 STUDIES ON PIEZO-ELECTRIC PROPERTY OF PRAWN SHELLS
- 221 Durgadevi R., Tanjeelur Rahman A., Antrose Preethi B., Meena P., Priyangha S.J., Somasundaram S.T., Gopalakrishnan A.

 EVALUATION OF CHITIN FROM MENACING BARNACLES BY MICROBIAL FERMENTATION
- **Praveena D.**, Jeeva K., Sanathani S., Gopalakrishnan A.
 BIOLOGICAL MANAGEMENT OF AQUATIC WEEDS BY GRASS CARP *Ctenophryngodon idella*

WATER QUALITY MANAGEMENT POSTERS

- 230 Chittaranjan Raul, Vidya Shree Bharti, Satya Prakash Shukla, Sangeeta Lenka EFFECTS OF SUGARCANE BAGASSE BIOCHAR ON PHYSICO-CHEMICAL PROPERTIES AND PRIMARY PRODUCTIVITY OF INLAND SALINE POND WATER
- Velmurugan Palani, Manimegalai Durairaj
 SEASONAL VARIATIONS IN PLANKTON DIVERSITY IN COASTAL WATERS RECEIVING
 SHRIMP FARM EFFLUENTS OFF THOOTHUKUDI (SOUTH EAST) COAST OF INDIA
- Saritha Sadasivan, Garima K., Chitra Soman, Shukla S.P., Jaiswar A.K., Latha Shenoy, Geetanjali Deshmukhe
 A CASE STUDY ON THE ENVIRONMENTAL ISSUES IN PATALGANGA ESTUARY, RAIGAD DISTRICT. MAHARASHTRA. INDIA
- Jeyabaskaran R., Kripa V., Prema D., Shelton Padua, Khambedkar L.R., Lavanya Ratheesh, Vysakhan P., Ambrose T.V., John Bose, Abhilash K.S., Preetha G. Nair, Seban John INFLUENCE OF WATER QUALITY ON PHYTOPLANKTON BIOMASS AT OFF KOCHI, KERALA. INDIA DURING POST MONSOON SEASON
- 234 Shelton Padua, Kripa V., Prema D., Jeyabaskaran R., Mohamed K.S., Jenny B., Lavanya Ratheesh, Shylaja G., Shyamala M.P., Vysakhan P., Seban John ECOSYSTEM GRADING BASED ON SELECTED WATER QUALITY PARAMETERS FOR A CHOSEN COASTAL VILLAGE IN THE VEMBANAD LAKE SYSTEM, KERALA, INDIA

- Shelton Padua, Kripa V., Jeyabaskaran R., Prema D., Reena V. Joseph, Abhilash K.S., Seban John, Babu V. Akhil POST FLOOD WATER QUALITY ASSESSMENT IN SELECTED COASTAL MARINE ECOSYSTEMS OF KERALA, INDIA DURING 2018
- 236 Rathipriya A., Anand T., Uma A.
 COMPARISON ON BACTERIAL LOAD *Vibrio* OF SELECTED CREEKS FOR SHRIMP
 FARMING IN TAMIL NADU
- 237 Shivani Verma, B.K. Sharma
 TO ENHANCE THE FISH PRODUCTION BY CONTROLLING THE WATER pH IN CARP
 CULTURE POND BY USING THE BANANA TRUNKS
- 238 Abhineet Singh, Sunil Sahu, Dushyant Damle, H.K. Vardia, K.K. Chaudhary ESTIMATION OF PRODUCTIVITY OF PONDS OF KAWARDHA OF DISTRICT KABIRDHAM, CHHATTISGARH

ALTERNATIVE FEED INGREDIENTS POSTERS

- Yu-Hung Lin, Bi Yu, Yen-Chun Lee
 EFFECTS OF FISH MEAL REPLACED BY FERMENTED FEATHER MEAL ON GROWTH,
 HEALTH STATUS AND NUTRIENT DIGESTIBILITY OF GROUPER Epinephelus coioides
- 246 Priyatharshni Arivoli, C.B.T. Rajagopalsamy, Stephen Sampath Kumar, Senthil Kumar ANALYSIS OF AMINO ACIDS LEVEL IN SESAME SEED MEAL INCORPORATION AS SOYBEAN MEAL REPLACER IN THE DIET OF THAI-CHITRALADA STRAIN OF Oreochromis niloticus
- 247 Sebastian S. Mosha, S. Felix, D. Manikandavelu, N. Felix, A. Gopalakannan EFFECTS OF DIFFERENT SOIL TYPES ON AZOLLA *Anabelae* CULTURE AS A PROTEIN SOURCE REPLACER IN FISH DIFTS
- Puja Chakraborty, Muralidhar Ande P., Syamala Karthireddy, Shamna N., Srinivas Rao P., Somu Sunder Lingam UTILIZATION OF DETOXIFIED JATROPHA KERNEL CAKE IN THE DIET OF Clarias magur (HAMILTON, 1822) FINGERLINGS: FOR GROWTH PERFORMANCE
- **249 Karthick Raja P.**, Aanand S., Stephen Sampathkumar J., Padmavathy S. EFFECT OF FISH MEAL REPLACEMENT WITH SILKWORM *Bombyx mori* PUPAE MEAL ON GROWTH OF RAINBOW SHARK *Epalzeorhynchos frenatum*
- 250 Manas K. Maiti, Narottam P. Sahu, Parimal Sardar, Ashutosh D. Deo, Shamna N., Chetan K. Garg UTILISATION OF Hygrophila spinosa LEAF MEAL AS A REPLACER OF DE-OILED RICE BRAN IN THE DIET OF Labeo rohita (HAMILTON, 1822)
- 251 Rina Chakrabarti, Avanish Kumar Shrivastav, Ravi Kumar Goswami, JaiGopal Sharma, Brett D. Glencross, Douglas R. Tocher EFFECT OF Spirodela polyrhiza SUPPLEMENTED DIETS ON GROWTH, PHYSIOLOGY AND EXPRESSION OF SPECIFIC GENES OF ROHU Labeo rohita

- 252 S.C. Rath, K.C. Das, N.K. Chandan, K.C. Nayak, K.N. Mohanta INCORPORATION OF MAHUA OIL CAKE AS A NON–CONVENTIONAL FEED INGREDIENT IN THE DIET OF AMUR CARP *Cyprinus carpio haematopterus* LARVAE
- 253 Preetha Panikkar, Jesna P.K.
 INSECT MEAL AS AN ALTERNATIVE PROTEIN SOURCE IN Pangasianodon
 hypophthalmus DIET

FEED, NUTRITION AND PHYSIOLOGY POSTERS

Board

255 Adeioke Adewumi

EVALUATION OF FERMENTED CASSAVA Manihot esculenta PEEL MEAL ON THE GROWTH OF Clarias gariepinus

- 256 Prabu Elangovan, Nathan Felix, Arumugam Uma, Cheryl Antony,
 Baboonsundaram Ahilan, Sugantham Felix
 GROWTH PERFORMANCES, MUSCLE-GROWTH-RELATED GENE EXPRESSION AND
 HAEMATO-BIOCHEMICAL RESPONSES OF GIFT TILAPIA FED WITH DIETARY L-LYSINE
 SUPPLEMENTED DIFTS
- 257 Prabu Elangovan, Nathan Felix, Arumugam Uma, Cheryl Antony,
 Baboonsundaram Ahilan, Sugantham Felix
 EFFECTS OF DIETARY SUPPLEMENTATION OF DL-METHIONINE ON THE GROWTH
 PERFORMANCES, MUSCLE GROWTH-RELATED GENE EXPRESSION AND HAEMATOBIOCHEMICAL RESPONSES OF GIFT TILAPIA
- 258 Rajmohan Ammaiyappar Subramani, Nathan Felix
 INFLUENCE OF TEMPERATURE AND MOISTURE ON THE PHYSICAL PROPERTIES OF
 FLOATING FISH FEED PRODUCED USING TWIN-SCREW EXTRUDER
- 259 Mukesh Bairwa, Saroj Swain, Sunil Ail
 EFFECT OF SHORT-TERM CYCLES OF FEED DEPRIVATION AND REFEEDING TO
 PROMOTE COMPENSATORY GROWTH OF *Dawkinsia tambraparniei*, AN INDIGENOUS
 ORNAMENTAL FISH
- **Sivakumar M.**, Manimehalai N., Mohammad Tanveer, Jagan P., Regupathi R., Siva Krishna S.B.

 A SMART INTEGRATED APPROACH IN FISH WASTE MANAGEMENT
- 261 Suresh Kumar, Krishnamurthy R., Elumalai K.
 EVALUATION OF POLYCHAETE *Nereis cultrifera* MEAL AS AN INGREDIENT IN SHRIMP
 BROODSTOCK FEED
- 262 Dharmaraj Patro, Prem Prakash Srivastava, Tincy Varghese, Subodh Gupta, Pankaj Kumar, Arya Prabhakaran EFFECT OF EXTRACTED Mentha arvensis LEAF MEAL ON GROWTH AND ANTIOXIDANT ACTIVITY OF Cyprinus carpio REARED IN INLAND SALINE WATER
- **Tapas Paul**, Pani Prasad Kurcheti, Hardik Majethia, Abisha Juliet Mary Simon, Ramesh Mitapalli
 EVALUATION OF BIOSAFETY OF OXYTETRACYCLINE AS FEED ADDITIVE FOR *Cyprinus carpio* JUVENILES

FUNCTIONAL FEED INGREDIENTS POSTERS

Board

268 Hafeef Roshan K.T., Meharoof Mohammed, Ihzan M.P. Mohammed, Phibi Philip N. DEVELOPMENT OF NEXT GENERATION PROBIOTICS (NGP) AND LIVE BIOTHERAPEUTICS (LBP) WITH ENHANCED FUNCTIONALITIES

269 Chetan K. Garg, Narottam P. Sahu, Shamna N., Manas K. Maiti
EFFECT OF DIETARY *Houttuynia cordata* LEAF EXTRACT ON STRESS MITIGATION,
IMMUNOMODULATION AND EXPRESSION OF INTERLEUKIN-8 GENE IN *Labeo rohita*(HAMILTON, 1822)

270 Sanjay Rathore, H. Shivananda Murthy, M.A. Al-Mamun, Shamima Nasren, Nitin K. Suyani, M. Junaid Sidiq, H. Shivananda Murthy, Shamima Nasren, M.A. Al-Mamun, M. Junaid Sidiq, Nitin K. Suyani GROWTH, FEED UTILIZATION AND BODY COMPOSITION OF MAGUR Clarias batrachus FED DIETS CONTAINING DIFFERENT PLANT PROTEINS: PARTIAL OR TOTAL SUBSTITUTION OF FISH MEAL

GROW OUT AND LARVAL FEED POSTERS

Board # 275

Tran Thi Thanh Hien, Lan Tran Thi Phuong, Phu Tran Minh, Tu Tran Le Cam, Khanh Nguyen Van, Haga Y.

THE TEMPÉRATURE EFFECTS IN DIFFERENT SALINITIES PERFORMANCE AND FEED EFFICIENCY OF SNAKEHEAD *Channa striata* FINGERLINGS

Kannan Balayya, Felix Nathan, Velmurugan S., Manavalan Chandrasekaran, Rajmohan A.S.

PRELIMINARY STUDY ON THE GROWTH AND SURVIVAL RATE OF GIFT TILAPIA AND PANGASIUS IN FLOATING CAGES AT POONDI RESERVOIR. TAMIL NADU

- 277 Chinmay Nanda, Parimal Sardar, N.P. Sahu, Shamna N., Pankaj Kumar STUDIES ON DIETARY PROTEIN REQUIREMENT OF Litopenaeus vannamei (BOONE, 1931) JUVENILES REARED IN INLAND SALINE WATER
- **Debashish Pradhan**, Saroj Kumar Swain, K.N. Mohanta, S.K.S. Ail, Siddaiah G.M., Kasuturi Samantaray

EFFECT OF BREWER'S SPENT YEAST IN COMBINATION WITH MARIGOLD *Tagetes* erecta AS NATURAL CAROTENOID SOURCE ON THE GROWTH, SURVIVAL AND SKIN COLORATION OF KOI CARP *Cyprinus carpio* L.

279 Ishfaq Nazir Mir, P.P. Srivastava, K.K. Jain EXPRESSION AND ACTIVITY OF DIGESTIVE ENZYMES DURING ONTOGENETIC DEVELOPMENT OF *Clarias magur*

MICROALGAE AND LIVE FEED POSTERS

Board # 285 **Dushyant Kumar Damle**, Ranjana Damle, M.S. Chari, S.R. Gaur, B. Ahilan EFFECTS OF PHYSICO-CHEMICAL PARAMETERS ON PRODUCTION OF Daphnia IN MASS CULTURE USING LOCALLY AVAILABLE ORGANIC MANURE IN RAIPUR DISTRICT OF CHHATTISGARH

- 286 Lavanya Karthikeyan, Chandran S. AN ORNAMENTAL BROODSTOCK DIET WITH HUFA ENRICHED BI OOD WORM
- 287 Kuldeen Jaiswal. Subodh K. Sharma FFFICACY OF MODIFIED PANCHAGAVYA FOR PRODUCTION OF 700PLANKTON IN REFERENCE TO WATER QUALITY
- 288 **Sekar Megarajan**, Ritesh Ranjan, Biji Xavjer, Darla Sravani, Chinnibabu Bathina. Shubhadeep Ghosh GROWTH, REPRODUCTION AND NUTRITIONAL PERFORMANCE OF ROTIFER FED. WITH DIFFERENT FFFDS
- **Murugesan P.**, Bharathidasan V., Krishnaprakash R. Polychaetes – A SUITABLE BROODSTOCK FEED FOR SHRIMP AND ORNAMENTAL FISH

289 NUTRITIONAL PHYSIOLOGY POSTERS Board # 295 **Jean Rose Maquirang**, Manabu Ishikawa, Serge Dossou, Shunsuke Koshio SHORT-TERM EFFECTS OF FUCOIDAN SUPPLEMENTATION ON ARGININE ABSORPTION AND BLOOD CHEMISTRY PROFILE OF RED SEA BREAM Pagrus major 296 Kaliyamurthi Venkatachalam, Ambika Binesh, Aruljothi K., Angela Mercy A., Chrisolite B., Karal Marx K. FATTY ACID COMPOSITION OF THREE DIFFERENT INDIAN LOACH SPECIES 297 **Jemila A. Thangarani**, Jegan I. Michael Andro Jeevagan GROWTH PERFORMANCE STUDY OF GIFT TILAPIA FRY AT DIFFERENT SALINITY LEVELS 298 Showkat Ahmad Dar, Prem P. Srivastava, Tincy Vargahse, Iffat Jahan, Tasok Leva. Subodh Gupta EXPRESSION OF GROWTH AXIS GENES DURING RESTRICTION FEEDING IN Labor rohita (HAMILTON, 1822) FINGERLINGS 299 Anagha T., Subodh Gupta, P.P. Srivastava, Tincy V., Shamna N., Sarvendra K. EFFECT OF DIETARY NANO-ZINC OXIDE ON GROWTH AND CALPAIN ACTIVITY OF Pangasianodon hypophthalmus (SAUVAGE, 1878)

- 300 Munish Kumar, Gyandeep Gupta, Tincy Varghese BLOOD GLUCOSE LEVELS IN AN INDIAN MAJOR CARP: CONSIDERATIONS OF ANESTHETIZATION AND FASTING IN SAMPLING PROTOCOL
- 301 Gopika Radhakrishnan, Phibi Philip Naduvathu, Somu Sundarlingam R., Bharathi S. RESTRICTED FEED DEPRIVATION IN AQUACULTURE: ROLE OF RESTRICTED FEEDING AND COMPENSATORY GROWTH

- 302 Krishna Pada Singha, Shamna N., N.P. Sahu, Parimal Sardar, V. Harikrishna, Thirunavukkarasar R., D.K. Chowdhury
 EFFECT OF VARYING DIETARY PROTEIN LEVEL ON GROWTH AND NUTRIENT
 UTILISATION OF GENETICALLY IMPROVED FARMED TILAPIA (GIFT) JUVENILES REARED IN INLAND SALINE WATER
- 303 Showkat A. Dar, Prem P. Srivastava, Tincy Varghese REGULATION OF GROWTH RELATED GENES IN *Labeo rohita* (HAMILTON, 1822) SUBJECTED TO RESTRICTION FEEDING
- 304 Kaliyamurthi Venkatachalam, Ambika Binesh, Karal Marx Karuppiah ASSESSMENT OF PROTEIN FINGERPRINTING ON SODIUM DODECYL SULPHATE -POLYACRYLAMIDE GEL (SDS - PAGE) FOR LOACH SPECIES

FOOD QUALITY AND SAFETY POSTERS

Board # 310 Arisekar U., Jeya Shakila R., Jeyasekaran G., Shalini R. DIFFUSION OF OCP RESIDUES FROM ROHU Labeo rohita INTERNAL ORGANS TO EDIBLE TISSUES DURING ICE STORAGE — A THREAT Akalesh Patel, Jeyasekaran G., Jeya Shakila R., Neethiselvan N., Anand T.

- INCIDENCE OF Salmonella IN CREEKS OF SHRIMP FARMS IN NAGAPATTINAM DISTRICT, TAMIL NADU
- 312 Sourav Ghosh, Manjusha L., Sanath Kumar H., Binaya Bhusan Nayak CHARACTERIZATION OF LUMINESCENCE BACTERIAL SYMBIONTS IN THE LIGHT ORGAN OF SQUID OF INDIAN ORIGIN
- 313 Vandita Kohli, Manjusha Lekshmi, Sanath Kumar, Binaya Bhusan Nayak, K.V. Rajendran Occurrence of Human and Shrimp Pathogenic *Vibrio* Species. In Wild-Captured and Farmed Fish and Shellfish
- 314 Sreepriya Prakasan, Sanath Kumar H., Binaya Bhusan Nayak, Amjad Balange, R. Kiruba Shankar, S. Dam Roy PREVALENCE OF PATHOGENIC *Escherichia coli* IN SEAFOOD FROM MUMBAI
- 315 Devi Dharshini Asaithambi
 A REPORT ON THE MICROBIAL QUALITY OF ANCHOVIES Stolephorus spp. FROM CHENNAL REGION
- 316 Shaikh Sadiyabegum Mehboob, Pagarkar A.U., Abhay Kumar Effect of Intervention of With and Without Seat and Back Rests Arrangement during fish dressing operation in Pre-Processing Unit
- 317 Sumit Kumar Verma, Neeraj Pathak
 EFFECT OF BROWN SEAWEED EXTRACT COATING AND VACUUM PACKAGING ON
 REEF COD FISH Epinephelus diacanthus FILLET QUALITY AND SHELF LIFE DURING
 REFRIGERATED STORAGE
- 318 Vishnu R. Nair, Dona P., Sajan George STABILITY STUDY OF SMOKED FISH, GRASS CARP *Ctenopharyngodon idella* ON CHILLED STORAGE

CAGE AND PEN CULTURE POSTERS

Board # 320 Manayalan Chandrasekaran. Felix Nathan PRELIMINARY STUDY ON THE NURSERY REARING AND SURVIVAL RATE OF GIFT. TILAPIA IN MODULAR FLOATING CAGES AT KOLAVAI LAKE. CHENGALPATTU. TAMIL NADU 321 Stephen Kumar, Judith Betsy CAGE CULTURE OF CARPS USING LOW COST IRON FRAME CAGES IN BAMBOO RAFT.

- 322 Mishal Puthiyottil, Gunjan Karnatak, Uttam Sarkar, Archan Kanti Das, Snigda Bakshi, Bandana Das Ghosh, Basanta Kumar Das CLIMATE RESILIENT PEN SYSTEMS (CRPS) IN FLOODPLAIN WETLANDS OF WEST BENGAL: AN INNOVATIVE APPROACH
- 323 **Gunjan Karnatak**, Basanta Kumar Das, Tasso Tayung, Puthiyottil Mishal, Suman Kumari, Uttam Kumar Sarkar, Archan Kanti Das, Yusuf Ali FEASIBILITY OF POLYCULTURE OF Ompok bimaculatus AND Labeo bata IN CAGES IN TROPICAL RESERVOIR, INDIA
- 324 **Dipesh Debnath**, Sona Yengkokpam, Pronob Das, Basanta Kumar Das, Birendra Kumar Bhattachariya, Anil Kumar Yadav, Niti Sharma, Simanku Borah, Kishore Kumar Sarma, Bipul Chandra Ray, Amulya Kakoti EFFECT OF STOCKING DENSITY ON GROWTH. PRODUCTION AND ECONOMICS OF Labeo bata FOR TABLE FISH PRODUCTION IN ICAR-CIFRI GI CAGES IN A FLOODPLAIN WFTI AND

CARPS, BARBS AND OTHER CYPRINIDS POSTERS

Board # 330 Mirza Masum Bea. Saniib Moulick. Basudev Mondal ORGANIC FISH FARMING: QUALITY ASSESSMENT AMONG CONVENTIONALLY AND

ORGANICALLY GROWN INDIAN MAJOR CARPS

- 331 Daniel Naganathan, Praveenraj Jayasimhan, Suresh Eshwaran, Karal Marx Karuppiah, Felix Sugantham REPORT ON Amphilophus trimaculatum AT CHENNAI FRESHWATER LAKE
- 332 Sathvarai Krishnan, Daniel Naganathan, Suresh Eshwaran, Karal Marx Karuppiah ANESTHETIC ACTIVITY OF ETHANOLIC EXTRACT OF DATURA STRAMONIUM LEAF IN COMMON CARP Cyprinus carpio
- 333 Manimehalai Nagarajan, Mohammad Tanveer, M. Siyakumar, R. Regupathi. R. Sawmiya A MODELING FRAMEWORK ON GROWTH PATTERN OF INDIAN MAJOR CARPS.
- 334 Charan Ravi, Rahul G. Kumar, V.S. Basheer AUGMENTING CONSERVATION WITH AQUACULTURE: ENDEMIC FISH SPECIES WITH AQUACULTURE POTENTIAL FROM THE CAUVERY RIVER

- 335 Snatashree Mohanty, Mukaddim M.A. Hazarika, Sheetala Chintey, Rubina Yasmin, Pravati Kumari Sahoo, Pratap Chandra Das STUDY ON INFLUENCE OF VARIED LEVEL OF WATER ALKALINITY ON THE GROWTH PERFORMANCE OF ROHU DURING FRY REARING
- 336 Gowsalya T., Stephen Sampath Kumar J., Sundaramoorthy B.
 RELATIONSHIP BETWEEN RAINFALL AND INLAND FISH PRODUCTION IN
 THANJAVUR, TAMIL NADU: AN ANALYSIS

FRESHWATER AQUACULTURE POSTERS

Board # 340 Pragyan Dash, R.S. Tandel, N.N. Pandey, N.K. Chadha, P.B. Sawant, K.D. Rawat, D. Sarma THERMAL TOLERANCE OF LARVAE AND JUVENILES CHOCOLATE MAHSEER Neolissocheilus hexagonolepis IN RESPONSE TO DIFFERENT WARMING RATE AND ACCLIMATION TEMPERATURE

- 341 Deepjyoti Baruah, Parvaiz Ahmad Ganie, Kishor Kunal, Ravindra Posti GEOSPATIAL ANALYSIS OF AQUATIC RESOURCES OF SHI YOMI DISTRICT, ARUNACHAL PRADESH FOR STRATEGIC SUPPORT TO TROUT FISHERIES DEVELOPMENT IN EASTERN HIMALAYAN REGION
- 342 Nitin Verma, V.K. Tiwari, A.K. Reddy, C. Prakash, Babitha Rani A.M. EFFECT OF DIFFERENT PROTEIN AND FAT LEVELS ON AMINO ACID AND FATTY ACID VARIATION IN MORPHOTYPES OF NURSED *Macrobrachium rosenbergii* POST LARVAE (DE MAN, 1879)
- **Kamalini Sekar**, Gopala Krishnan SCAMPI *Macrobrachium rosenbergii* CULTURE OF MINE WATER: A CASE STUDY
- Joseph Christopher C. Rayos, Dennis D. Tanay, Ma. Salvacion R. Ferrer TECHNICAL EFFICIENCY DIFFERENCES AMONG TILAPIA FARMERS IN THE PHILIPPINES: A CROSS GENDER EVALUATION
- Alish Debbarma, Stephen Sampath Kumar John, Senthil Kumar Varadaraju
 COMPARISON OF CONTROLLED NURSERY BEARING OF HYBRID TILAPIA SEEDS
- 346 Mohammad Redha, Ismail Azad REGULATION OF HEAD-KIDNEY IMMUNE GENES IN NILE TILAPIA *Oreochromis* niloticus FED DIFFERENT COMMERCIAL DIETS
- **Rathipriya A.**, Karal Marx K., Ravichandran R.
 CULTURE OF MONOSEX NILE TILAPIA UNDER HIGH STOCKING DENSITY:
 A CASE STUDY
- 348 Magnolia Montoya-Mejía, Francisco J. Magallon-Barajas, Paola Magallon-Servin,
 Apolinar Santamaria-Miranda
 COMPARATIVE STUDY ON GUT MICROBIOTA OF TILAPIA *Oreochromis niloticus* IN
 RECIRCULATING AQUACULTURE SYSTEM

CONSERVATION GENETICS POSTERS

Rajeshkannan Rajendiran, Jaculine Pereira J., Karal Marx K., Jawahar P.,

Board # 355

	Kiruthiga Lakshmi D., Devivaraprasad Reddy DNA BARCODING OF CARDINAL FISHES OF THOOTHUKUDI COAST
356	Vinod Kumar Paswan , Kiran Dube Rawat, Srivastava P.P., Chandra Prakash Gupta, Aklakur Md, Somu Sunder Lingam R. <i>EX SITU</i> CORAL AQUACULTURE: A WAY TO CONSERVE THE GARDEN OF SEA
357	Pavan-Kumar Annam , Nilangana Kalita, Bipul Phukhan, Nagpure Naresh POPULATION STRUCTURE OF <i>Cyprinion semiplotum</i> (MC CLELLAND, 1839) BASED ON MITOCHONDRIAL ATPASE 6/8 GENE
358	Rajeev K. Singh , Raj Kumar, Vindhya Mohindra, Ajith Kumar T.T., Teena Jayakumar T.K., Pradipta Paul, Pooja Pandey, Kuldeep K. Lal ASSESSMENT OF GENETIC STRUCTURE IN WILD POPULATIONS OF FLATHEAD GREY MULLET <i>Mugil cephalus</i> INFERRED FROM MITOCHONDRIAL GENE
359	Gargee Das, Amrita Bit, Sofia Priyadarsani Das, Lakshman Sahoo, Raghavendra Channaveer, Sangram K. Sahoo, Pallipuram Jayasankar, Jitendra K. Sundaray, Parmananda Das POPULATION GENETIC STRUCTURE OF DECCAN MAHSEER REVEALED BY COMPARATIVE ANALYSIS OF MITOCHONDRIAL ATPASE6/8 AND CYT B GENE VARIATION
360	Labrechai Mog Chowdhury , P.R. Divya, A. Kathirvelpandian, V.S. Basheer, A. Pavan Kumar, Gopal Krishna GENETIC STOCK CHARACTERIZATION OF KIDDI SHRIMP <i>Parapenaeopsis stylifera</i> (H. MILNE EDWARDS, 1837) USING MICROSATELLITE MARKERS
5	GENETIC IMPROVEMENT POSTERS
Board # 366	Balasubramanian Arumugam , Ramalingaiah D., Balasubramanian A., Suguna T., Lavanya D., Ramana T.V. BIOLOGICAL ASPECTS OF NILE TILAPIA <i>Oreochromis niloticus</i> CAUGHT FROM NELLORE RESERVOIR OF ANDHRA PRADESH
367	Rathipriya A. , Karal Marx K., Nandi S., Sundaray J.K., Jayasankar P., Pugalendhi S. EARLY BREEDING OF INDIAN MAJOR CARPS USING CIFABROOD™ IN SOUTHERN STATE OF INDIA
368	Kanta Das Mahapatra , Jatindra Nath Saha, Khuntia Murmu, Lakshman Sahoo, Avinash Rasal, Priyanka Nandanpawar, Madhulita Patnaik SELECTIVE BREEDING OF INDIAN MAJOR CARP, CATLA <i>Catla catla</i> , IN INDIA FOR

Madhulita Patnaik, Avinash Rasal, Khuntia Murmu

SELECTIVELY BRED Catla catla (HAMILTON, 1822)

Kanta Das Mahapatra, Priyanka Nandanpawar, Rakhi Kumari, Nitish Kumar Chandan,

STUDIES ON VARIATION IN FATTY ACID COMPOSITION OF UNFERTILIZED EGGS OF

FASTER GROWTH

369

Board # 385

RETAILING

- 370 Suresh Eswaran, Senthilkumar Varadaraju, Sakthivel Mohamad, Sankar Murugesan, Karal Marx Karuppiah ASSESSMENT OF INBREEDING RATES IN CARP HATCHERY IN THANJAVUR DISTRICT OF TAMIL NADU, SOUTH INDIA
- 371 Kalaiselvi N., Karal Marx K., Suresh E., Kalivamoorthi V. INDUCED BREEDING AND DEVELOPMENTAL BIOLOGY OF POPULAR ORNAMENTAL FISH KOI CARP
- 373 Nelson Ossai, Shanmugam, Chinedu I. Attama, Victor O. Eneje PROLONGED TEMPERATURE SHOCKS HAVE DELETERIOUS EFFECTS ON THE PRECULTURE PRODUCTION PARAMETERS OF CATFISH C. gariepinus (BURCHELL. 1822) EGGS
- 374 John T. Buchanan APPLYING GENOMIC SELECTION TO SHRIMP AQUACULTURE

HUMAN RESOURCE DEVELOPMENT POSTERS

Board # 380 Kukhrunelu Keyho, S.N. Ojha ADDRESSING THE AQUA-ENTREPRENEURSHIP DEVELOPMENT OF STUDENTS TO PROMOTE SELF-EMPLOYABILITY 381 **Siddhika Dhanmeher**, Ananthan P.S. Arpita Sharma, Amjed Balange CAN MOBILE APP BE AN ALTERNATIVE TO SUSTAIN EMPLOYMENT: EXPLORING THE

382 Rajiv Rathod, Arpita Sharma, Rama Sharma, Rupak Goswami, Bharat Yadav WOMEN SELF HELP GROUPS: A WAY TOWARDS ENTREPRENEURSHIP IN FISHERIES. SECTOR IN MAHARASHTRA

WILLINGNESS AND EXPECTANCE OF WOMEN FISHER OF MUMBAI FOR ONLINE FISH

383 Bharat M. Yadav. Arpita Sharma, S.M. Wasave, S.V. Patil. Raieev Rathod CREATING EQUITABLE ENTREPRENEURSHIP AND EMPLOYMENT THROUGH ORNAMENTAL FISHERIES IN MAHARASHTRA

Prabhu Sarayanan, Felix S., Samuel Moses T.L.S., Ahilan B.

OPERATION OF COMMERCIAL AQUAPONICS SYSTEM

INNOVATIVE AQUACULTURE SYSTEMS AND PRACTICES POSTERS

	MEDIA BASED AQUAPONICS SYSTEM FOR THE SUSTAINABLE PRODUCTION OF GIFT TILAPIA
386	Tanveer Mohammad , Subha Manash Roy, Manimehalai N., Sivakumar M., Regupathi R., Sana K. A FRAME WORK ON MODEL BASED MANAGEMENT STRATEGY FOR DESIGN AND

- 387 Sushree Sangeeta Dey, Raju M. Tibile, Anil S. Pawase, Dabir I. Pathan, Shashikant J. Meshram GROWTH AND SURVIVAL OF ROHU *Labeo rohita* SPAWN IN BIOFLOC SYSTEM AT DIFFERENT STOCKING DENSITIES
- 388 Harini C., Stephen Sampath Kumar J., Judith Betsy C.
 IMPACT OF BIOFLOC SYSTEM ON GROWTH PERFORMANCE OF BLUE MORPH
 Pseudotropheus saulosi
- 389 Sanitha Saseendran, Kiran Dube, Babitha Rani A.M., Chandrakant M.H.
 GROWTH AND PRODUCTION PERFORMANCE OF GENETICALLY IMPROVED FARMED
 TILAPIA AND BELL PEPPER Capsicum annum IN A BIOFLOC INTEGRATED AQUAPONIC
 SYSTEM
- 390 Nageswari Ponpandy, Ajit Kumar Verma EXPLORATION OF DIFFERENT CARBON SOURCES ON MICROBIAL BIOFLOC PRODUCTION, GROWTH AND BODY INDICES OF *Pangasianodon hypophthalmus*
- 391 Vanlalhriatpuii Chawngthu, Athithan S., Balaji K., VijayAmirtharaj K.S.
 REARING OF SILVER POMPANO *Trachinotus blochii* (LACEPEDE, 1801) IN RACEWAY
 SYSTEMS

MARICULTURE POSTERS

Board # 395 Vijay Amirtharaj Kandhasasmy Sekaran, Balaji K., Arul Oli Govindhasamy, Vanlalhriatpuii Chawngthu FATTENING OF MUD CRAB Scylla serrata (FORSKAL, 1775) IN LINED POND USING FLOATING FRP CAGE 396 Tamilselvan Bajarajan, Jawahar Paulrai, Eshwar Chandra Vidya Sagar Palani

- Tamilselvan Rajarajan, Jawahar Paulraj, Eshwar Chandra Vidya Sagar Palani COLLECTION OF LIVE JUVENILE Siganus USING DIVERSE GEARS AT THOOTHUKUDI COAST
- 397 Cherry Nian, Alhaisam Nur-Alih, Tarwina Bahauddin, Alonie Haidil, Nadzpar Aming GROWTH AND SURVIVAL RATES OF DONKEY'S EAR ABALONE *Haliotis asinina* JUVENILES FED WITH DIFFERENT INCLUSION LEVELS OF DRIED *Eucheuma*
- 398 Wan-shu Hong, Shi-xi Chen, Feng Guo, Ze-zhou Jing
 DIVERSITY OF BACTERIAL COMMUNITY IN THE INTESTINE OF THE LARGE YELLOW
 CROAKER Larimichthys crocea
- 399 Sri Dattatreya P., Santosh Kumar T., Harini C., Ravindra Kumar Reddy D.
 STUDY THE OPTIMUM CRUDE PROTEIN FOR GREY MULLET *Mugil cephalus* SEED IN
 FLOATING NET CAGES
- **Jayasree Loka**, Gopalakrishnan A.
 FEASIBILITY STUDIES ON CAGE CULTURE OF ORANGE SPOTTED GROUPER
 Epinephelus coioides IN WEST COAST OF INDIA
- 401 Anuraj A., Benny Varghese, Murugesan S., Dam Roy S.
 MAIDEN HARVEST OF CAGE CULTURED SILVER POMPANO *Trachinotus blochii* IN
 ANDAMAN WATERS

- **402** Anuraj A., Ajit Arun Waman, Chandra Prakash, Dam Roy S., Chadha N.K. EFFECT OF META-TOPOLIN ON GROWTH AND DEVELOPMENT IN AXENIC EXPLANTS OF RED SEAWEEDS
- **403** Anuraj A., Saloni Shivam, Suresh Babu P.P., Kurva Raghu Ramudu, Praveen Dube, Vaidya N.G., Navnath K., Jayasree Loka COMPARATIVE ANALYSIS OF CULTURABLE MICROFLORA IN HEALTHY AND BLEACHED RED SEAWEED *Kappaphycus alvarezii*
- **Cherry Nian**, Benhal Kullan, Yashier Jumah GROWTH RATE OF *Kappaphycus alvarezii* USING DIFFERENT METHODS OF CULTURE

POST HARVEST PROCESSING POSTERS

Board #	1 001 HAITVEOT I HOOLOOMA I OOTEHO
410	Muruganantham M. , Sukumar D., Muthu Abishag M. BACTERIOLOGICAL QUALITY OF FROZEN CUTTLEFISH <i>Sepia pharaonis</i> TREATED WITH FOOD GRADE COMMERCIAL CHEMICALS
411	Vijay Karuppiah , Balasundari Subbiah, Jayashakila Robinson, Velayutham Padmanaban ASSESSMENT OF NUTRITIONAL AND FUNCTIONAL PROPERTIES OF BROWN SEAWEEDS OF GULF OF MANNAR
412	Vijay Karuppiah , Balasundari Subbiah, Jayashakila Robinson, Velayutham Padmanaban ASSESSMENT OF STORAGE STABILITY OF BAKED PRODUCT FROM BROWN SEAWEED <i>Sargassum swartzii</i>
413	Balasundari Subbiah , Pathiban F., Raghu G., Nimish Mol Stephen MARINE PROTEIN BREAD: A CONTEMPORARY HEALTHY FOOD
414	Priyanka Dhruw , Velayutham P., Sukumar D. ANTIOXIDANT ACTIVITY, TOTAL PHENOLIC CONTENT AND TOTAL FLAVONOID CONTENT OF DIFFERENT FRUIT PEEL EXTRACTS (POMEGRANTE, PINEAPPLE AND ORANGE)
415	Hafsa Maqbool , Satish Kumar, Zynudheen A.A., Safeena M.P. PRESERVATION OF MAHSEER <i>Tor khudree</i> STEAKS IN NATURAL EXTRACT
416	Gajendra , Amitha, Sarojini A., Raju C.V., Lakshmisha I.P., Arun Kumar P. EXTRACTION OF MELANIN FREE INK ANTIOXIDANT COMPONENT FROM SQUID INK SAC
417	Deepitha R.P. , Amjad Balange, Binay Bhusan Nayak, Martin Xavier, R. Kiruba Shankar, S. Dam Roy
	EFFECTS OF AQUEOUS SEAWEED EXTRACT ON QUALITY IMPROVEMENT AND STORAGE STABILITY OF PANGASIUS FILLETS
418	Padmanaban Velayutham, P. Prabhakaran, D. Sukumar, S. Athithan NUTRITIONAL QUALITY CHARACTERISTICS OF COMMERCIALLY IMPORTANT FINFISH AND SHELLEISH OF THE GUILE OF MANNAR COAST

- **Stephen Raj S.**, Dinesh Kumar P., Suriya G., Raja Arul Sundar G. IMPORTANCE OF PROCESSING BLUE CRAB *Portunus pelagicus* IN DIFFERENT GRADES
- **420 Rajasekar V.**, Karthickumar P. EXPERIMENTAL INVESTIAGTION ON DEVELOPMENT OF BIODEGRADABLE EDIBLE FILM FROM RED SEAWEED *Kappaphycus alvarezii*

PRODUCT DEVELOPMENT AND VALUE ADDITION POSTERS

- 425 Vimaladevi Sekar, Balasundari Subbiah, Muralidhran Nagarajan,
 Satheesh Muniyasamy, Sandhya Venkatesh, Ramya Vadamalayan, Lalitha Ranganathan
 EFFECT OF DRYING METHODS ON QUALITY OF DRIED Stolepherous indicus
- 426 Sushri Subhasini Behera, S.M. Zofair, V. Renuka, Safeena M.P., Deepa Madathil NUTRITIONAL PROFILING OF MARINATED SHRIMP *Parapenaeopsis stylifera* IN DIFFERENT MEDIUM DURING REFRIGERATED STORAGE
- 427 Radha Maheswari R., Usha Antony, Kavitha Ravichandran STUDY ON DEVELOPMENT AND NUTRITIONAL CHANGES IN FERMENTED RICE – A TRADITIONAL SOUTH INDIAN FOOD
- **428** Ajith Kumar S., Balasundari S., Muralidharan N., Karthick Kumar P., Ahilan B. STUDY ON UTILISATION OF *Penaeus vannamei* FOR SNACK FOOD PRODUCTION
- **429 Bharathipriya R.**, Balasundari S., Satheesh M., Ahilan B. DEVELOPMENT OF EXTRUDED SNACK PRODUCT BY UTILISING FARMED GREEN MUSSEL *Perna viridis*
- **Bharathipriya R.**, Balasundari S., Satheesh M., Muralidharan N., Vimaladevi S. DEVELOPMENT AND EVALUATION OF INSTANT FISH AND SHRIMP SOUP CUBES
- Viswanth Ganesan, Balasundari Subbiah, Muralidharan Nagarajan, Nimish Mol Stephen DEVELOPMENT OF SOAP FOR DOMESTIC CANINE PET USING FISH OIL
- **Kamalakannan Meganathan**, Karthickumar P., Devadharshini K.
 MATHEMATICAL MODELLING FOR THIN LAYER DRYING OF RAINBOW SARDINE FISH
 AT DIFFERENT SALT CONCENTRATIONS IN CABINET DRYER
- 433 Nimish Mol Stephen, Balasundari S., Ahilan B., Felix S.
 DEVELOPMENT OF MARINE ALGA-BASED BAKED PRODUCT AND EVALUATION OF ITS
 NUTRITIONAL QUALITY
- 434 Nimish Mol Stephen, Balasundari S., Rathnakumar K., Felix S. DEVELOPMENT OF MARINE ALGA-BASED EXTRUDED SNACK PRODUCT AND EVALUATION OF ITS NUTRITIONAL QUALITY
- Sarojini A., Gajendra, Amitha, Sukumar D., Raju C.V.
 EFFECT OF TRANSGLUTAMINASE AND EGG WHITE ON THE GEL STRENGTH,
 EXPRESSIBLE MOISTURE CONTENT, FOLDING TEST AND WATER HOLDING CAPACITY
 OF FISH PANEER PREPARED FROM TILAPIA SURIMI

- Hozen Ricchie Rose Asok Rose, Karthickumar P., Manimehalai N., Rathnakumar K.,
 Balasundari S.
 DEVELOPMENT OF READY-TO-EAT PUFFED CORN SNACK USING COMPOSITE FLOUR
 AND RED SNAPPER FISH MEAT
- 437 Amitha, Sarojini A., Gajendra, Raju C.V., Lakshmisha I.P, Arun Kumar P.
 MORPHOLOGY AND THERMAL STABILITY OF FISH BONE EXTRACT POWDER AND
 FISH BONE HYDROXYAPATITE EXTRACTED FROM GROUPER FISH Epinephelus
 diacanthus FILLETING BY PRODUCT

SUSTAINABILITY, LIVELIHOOD AND NUTRITIONAL SECURITY POSTERS

- 440 Agnes Daney Angela S., Felix S., Ravaneswaran K., Lloyd Chrispin C., Ajay Anand G. PERCEPTION ABOUT GIFT TILAPIA FARMING: AN ANALYSIS FOR BETTER DISSEMINATION AND ADOPTION
- **Somu Sunder Lingam R.**, Felix S., Ahilan B.
 BLUE REVOLUTION AND SUSTAINABILITY: ARE THEY TWO SIDES OF THE SAME COIN?
- 442 Subhash Kumar Banjare, Kranthi Kumar Dhande, Phibi Philip Naduvathu
 ASSESSMENT OF FISHERIES POTENTIAL AND PRODUCTIVITY IN CHHATTISGARH
- 443 Skadlin Rose P.B.

 MUD CRAB FATTENING IN COMPLETE RAS SYSTEM A WAY TOWARDS
 SUSTAINABILITY
- Ravikumar Thangaraji, Neethiselvan Neethirajan, Umamaheswari Thavasiyandi, Karthy Arjun
 SUSTAINABLE FISHING METHOD OF NICOBARI TRIBAL FISHERMEN OF CAR NICOBAR ISLAND, ANDAMAN AND NICOBAR ISLANDS
- 446 Chellamanimegalai P., Hino Fernando, V. Alamelu, B. Sundaramoorthy, S. Santhosh Kumar TRADITIONAL FISHING PRACTICES FOLLOWED IN EXPLOITATION OF FLYING FISHES ALONG NAGAPATTINAM COAST
- 447 Mudassir Azhar, Leela Edwin Edwin, B. Manoj Kumar Kumar, Saly N. Thomas, M.P. Remesan
 PERFORMANCE EVALUATION OF MULTIFILAMENT AND MONOFILAMENT CAST NET FISHING IN WULAR LAKE. KASHMIR
- Vinothkumar Ramar, Saravanan Raju, Rajkumar Muthusamy,
 Thirumalaiselvan Shanmugam
 STUDY ON THE FISHER-WOMEN OF DHANUSHKODI AND THEIR LIVELIHOOD IN
 MARINE CAPTURE FISHERIES
- 449 Hukam Singh Kothyari, K.C. Meena, B.L. Meena, Ramkishan Meena EFFECT OF FRONT LINE DEMONSTRATION ON SESAME IN EASTERN REGION OF RAJASTHAN

- **Shoji Joseph**, Shoji Joseph, Prakasan, D., Elizabeth Tomy
 GIANT TREVALLY *Caranx ignobilis*, A POTENTIAL SPECIES FOR COASTAL AND OPEN
 SEA FARMING
- 451 Shoji Joseph, P.B. Ajithkumar, Rajesh Nelliyoura, Boby Ignatius, Imeda Joseph, Binoy Bhaskaran FLOOD, FARMING AND FARMERS: STRENGTH OF CAGE CULTURE TECHNOLOGY: AN EVALUATION
- 452 Shivaprakasha Sonnada Matada, T.S. Annappaswamy Shetty
 INTEGRATION OF AQUACULTURE WITH ANIMAL HUSBANDRY AN ASSURED
 APPROACH TO BOOST FARMERS' INCOME
- 453 Dona P., Ojha S.N., Vipinkumar V.P., Vishnu R. Nair COMMUNITY-BASED FISHERIES MANAGEMENT (CBFM) THROUGH SHGS IN VEMBANAD LAKE, KERALA
- 454 Shalumol Salas, S.N. Ojha CONSTRAINTS ANALYSIS OF SEASHELL HANDICRAFT ARTISANS IN ANDAMAN AND NICOBAR ISLAND
- 455 Renuka Vijayakumar, Remya S., Jha A.K., Toms C. Joseph ENTERPRENEURAL DEVELOPMENT THROUGH SKILL DEVELOPMENT AMONG KHARWA FISHERWOMEN OF VERAVAL. GUJARAT

ORNAMENTAL FISH CULTURE POSTERS

Board

460 Haihui Ye. Daming Chen

ONTOGENETIC DEVELOPMENT OF GONADS AND EXTERNAL SEXUAL CHARACTERS OF THE PROTANDRIC SIMULTANEOUS HERMAPHRODITE PEPPERMINT SHRIMP Lysmata vittata (CARIDEA: HIPPOLYTIDAE)

- 461 Syam K.R, Paramita Banerjee Sawant, N.K. Chadha, Aparna Chaudhari, Pavan Kumar, B.T. Sawant, K.A. Martin Xavier, Himanshu Bhattacharya PHENOTYPIC COLOUR VARIATION AND MOLECULAR DIFFERENTIATION STUDIES IN OSCAR Astronotus ocellatus
- **K. Smrithi**, Shrinivas Jahageerdar ESTIMATION OF GENETIC PARAMETERS OF ORNAMENTATION TRAITS IN WILD STRAIN OF GUPPY *Poecilia reticulata* (PETERS, 1859)

NOTES

NOTES

NOTES