

SESSION-WISE LIST OF PRESENTATIONS

PROGRAMME SCHEDULE

28th November 2019

Inaugural Session	Session Title	Venue	Time
	Inauguration of International Conference on Aquatic Resources and Blue Economy	Oman Hall	10.15 to 11.50
<i>Tea Break</i>			
	<i>Conference Keynote:</i> HE Ambassador Dr. Nomvuyo Nokwe, Secretary General IORA	Oman Hall	12.00 to 12.45
<i>Lunch</i>			
Technical Session	Session Title	Venue	Time
Session 1	Aquatic Resource Management - Living	Oman hall	14.00 to 18.30
Co-Chairs	Dr. B Madhusoodana Kurup & Dr. MR Boopendranath		
Rapporteurs	Dr. M Harikrishnan & Dr. MP Prabhakaran		
INVITED TALKS			
ARL - INV 1	Aquatic Resource Management for Blue Economy	Dr. B Madhusoodana Kurup	14.00 to 14.30
ARL - INV 2	New Developments in Marine Fishery Resource Management in India	Dr. Sunil Mohamed	14.30 to 15.00
ARL - INV 3	Fishing Techniques to Augment Blue Economy and Ocean Health	Dr. Leela Edwin	15.00 to 15.30
ARL - INV 4	Recreational Fisheries and Blue Economy in India	Mr. Derek D Souza	15.30 to 16.00

ORAL PRESENTATION

Abstract Code	Title	Author
ARL - OR - 1	Spatial fisheries management in a tropical estuary: development of a spatio-temporal ecosystem model for Zuari Estuary, west coast of India	Sreekanth GB
ARL - OR - 2	Decline in genetic diversity of the scalloped hammerhead shark (<i>Sphyrna lewini</i>) calls for urgent management and conservation measures in Indian waters	Sandhya Sukumaran

ARL - OR - 3	Prey predator interactions in Mettur Reservoir, Tamil Nadu	Preetha Panikkar
ARL - OR - 4	Diversity and taxonomy of <i>Labeo</i> spp. In River Cauvery	Sibina Mol
ARL - OR - 5	Population genetic structure of <i>Penaeus indicus</i> across Indian coast	Sivamani Balasubramaniam
ARL - OR - 6	Fishing trap losses from Enayam coast of Tamil Nadu: fishers perception	Saly Thomas
ARL - OR - 7	Eco-efficiency analysis of small pelagic fishery of south west coast of India	Rithin Joseph
ARL - OR - 8	Decline in oil sardine landings and impacts on the marine fish economy in Kerala	Aswathy Natarajan
ARL - OR - 9	Report on endoparasitism in the bullseye fish, <i>Priacanthus hamrur</i> by the nematode <i>Philometra</i> sp from the Southeast Arabian Sea	Livi Wilson

POSTER PRESENTATION

ARL - PO - 1	Morphological plasticity in Indian oil sardine, <i>Sardinella longiceps</i> - Does it imply adaptive variation	Sandhya Sukumaran
ARL - PO - 2	Biology of the smooth dwarf monocle bream, <i>Parascolopsis aspinosa</i> (Rao & Rao 1981)	Radhika Balachandran
ARL - PO - 3	Towards responsible blue economy in the Western Ghats Biodiversity Hotspot	Rajeev Raghavan
ARL - PO - 4	Distribution and bioprospecting of litter bacteria isolated from Ayiramthengu mangrove ecosystem of Kerala coast	Mintu Ann Varghese
ARL - PO - 5	Benthic Macroinvertebrates as biological indicator of water quality status of Pampa River at Perunad Area	Sreeranjini Kamal
ARL - PO - 6	Distribution and substrate specificity of Lecanid rotifers from middle and lower stretches of River Periyar, Kerala	Blessy John
ARL - PO - 7	Biodiversity, a boon indeed!!!	P Shyni
ARL - PO - 8	Diversity, distribution and abundance of bivalves in the Vembanad backwaters	Christy Ouseph
ARL - PO - 9	Feeding habits of flood introduced catfish, <i>Pangasianodon hypophthalmus</i> (Sauvage 1878) from Chalakudy River System of Kerala, India	CR Renjithkumar
ARL- PO-10	Comparative assessment of phytoplankton distribution in the lagoons of Minicoy and Kavaratti Islands, Lakshadweep Archipelago	Geethu Mohan
ARL -PO-11	Catch composition of migratory fishes in winter migratory coastal set bagnets of Hooghly-Matlah estuary	Amrutha R Krishnan
ARL- PO-12	Near reef abundance and on-off shore distribution of four different Tuna larvae in Lakshadweep Sea	KP Deepa
ARL- PO-13	Lobster trap fishery along Enayam-Kadiapattanam coast of Tamil Nadu	K Harsha
ARL- PO-14	An account of CO ₂ emission by the mechanised fishing trawlers of Kerala - issues and threats	Arnab Bandyopadhyay

ARL -PO-15	Energy and Ecological sustainability of Wular Lake Fisheries	Atufa Regu
ARL- PO-16	Taxonomy of <i>Ellipsomyxa ariusi</i> n.sp. infecting the marine catfish, <i>Arius arius</i> , Hamilton 1822 - a holistic approach	Archana Chandran
ARL -PO-17	Otolith trace element profile in <i>Tenualosa ilisha</i> from Brahmaputra River, Assam India	Simanku Borah
ARL- PO-18	Observations on length composition of major finfishes caught using stake nets in Cochin backwaters	Albin Albert
ARL -PO-19	Composition of epibenthic macrofaunal community in the Kuttanad region of Vembanad Lake	Amritha KS
ARL-PO- 20	First record of leopard jellyfish, <i>Acromitus maculosus</i> from Indian waters	Nithara CG
ARL- PO-21	Diversity and distribution of freshwater fishes of Peechi and Chimmomy wildlife sanctuaries in the Western Ghats of Kerala	PS Eldho
ARL- PO-22	Length-weight relationship, condition factor and morphometric characteristics of Slender pinjalo (<i>Pinjalo lewisi</i> Randall, Allen and Anderson 1987) from the south east Arabian Sea	Livi Wilson
ARL- PO-23	Fish assemblage structure of a temporarily closed sandbar estuary from west coast of India	Kiranya B
ARL-PO-24	Present status of Trichiurid fishery of India	MK Sajeewan
ARL -PO-25	Taxonomic validation of <i>Tentoriceps cristatus</i> (Klunzinger 1884) (Perciformes: Trichiuridae) from Indian waters using morphological and molecular analysis	Chitra MC
ARL-PO-26	Prospects of Gempylid fishery of India	Bincy Raj
ARL -PO-27	Finfish biodiversity of Kole wetlands of Kerala, India	Kitty Francis
ARL- PO-28	Freshwater fish diversity of Achankovil River with special reference to endemism, threats and conservation	Remya L Sundar
ARL-PO-29	Complete mitochondrial genome of <i>Neolissochilus hexastichus</i> and its phylogenetic relationship within family Cyprinidae	Shubra Singh
ARL- PO-30	Identifying challenges and need for improved knowledge in octocoral research in India	Ramvilas Ghosh
ARL- PO-31	Food availability counterbalances seawater pH effect in <i>Gafrarium divaricatum</i>	Chitra Soman
ARL- PO-32	Distribution of sea anemones in the intertidal regions of Malabar coast	Anushma KS
ARL-PO-33	Biogeography of Chitons (Class: Polyplacophora) from the Indian Ocean	Liju Thomas
ARL -PO-34	Survey and inventorisation of brachyuran crabs from the mangrove patches in and around Cochin backwaters	Sreenath TM
ARL-PO- 35	Comparative assessment of teeth and gills of three species of genus <i>Mobula</i> from Kerala coast: a taxonomic tool for species identification	Swathy KS
ARL -PO-36	Composition and diversity of periphytic algae in Achankovil River, Kerala during the monsoon season	Gireesh Raghavan
ARL-PO- 37	Phenotypic variations in Anchovies off the south and central Kerala coast	Nayana Narayanankutty
ARL- PO-38	Meiofaunal diversity and abundance in bottom sediments along the southern sector of Vembanad Lake	Shilpa KA
ARL-PO-39	Performance evaluation of multifilament and monofilament cast net fishing in Wular Lake, Kashmir	Mudassir Azhar

ARL- PO-40	ICAR CIFT Collapsible fish trap: a smart technology for the traditional fisherman of India	Manju Lekshmi N
ARL-PO- 41	BRDs for exclusion of <i>Squilla</i> from shrimp trawls - preliminary studies along Cochin coast, Kerala	Paras Nath Jha
ARL- PO-42	Abandoned, Lost or Discarded Fishing Gears turns to Fish Aggregating Devices	Harsha K
ARL- PO-43	The leap! Natural riverine barriers and the molecular ecology of hill stream loaches in the Western Ghats Biodiversity Hotspot	Arya Sidharthan
ARL- PO-44	Biological invasions in a microhotspot of biodiversity: the Kabini catchment of Wayanad hills, Western Ghats, India	Anoop VK
ARL-PO- 45	Assessment on the incursion of marine litter in the Kanjiracode Kayal, a part of Ashtamudi Lake	Vinu Wilfred
ARL- PO- 46	An incidence of diet shift in Snapper	Livi Wilson
ARL-PO-47	Whole mitochondrial genome analysis of endangered freshwater catfish, <i>Horabagrus nigricollaris</i>	Chandhini S
ARL-PO-48	Species diversity and abundance of mangroves in Fisheries station, Pudukkottai	MT Geeji
ARL-PO-49	Present status of Crinoidian diversity along Vizhinjam coast vis-à-vis construction of International Seaport	Shilpa Jose
ARL-PO-50	Impact of invasive mussel, <i>Mytella strigata</i> on estuarine macrobenthic community structure in the Kanjiracode Kayal water labyrinth of Ashtamudi Lake	S Athira
ARL-PO-51	New distributional record of Golden catfish, <i>Horabagrus brachysoma</i> from Kavvayi backwaters	VM Sachin
ARL-PO-52	First report on distribution and DNA Barcoding of a cambrian brachiopod, <i>Lingula anatina</i> from the Kavvayi backwaters.	CP Binesh
ARL-PO-53	New distributional record of <i>Colletteichthys flavipinnis</i> in the Kavvayi backwaters	Ashwini Gopi
ARL-PO-54	Impact Assessment on collapse of marine fisheries: case studies and root cause analyses for remedial measures	MM Prasad
ARL-PO-55	Otolith shape analysis as a tool for discrimination of stock of <i>Upeneus vittatus</i> from Indian water	Suman Nama
ARL-PO-56	Investigation on the fishery of Indian oil sardine, <i>Sardinella longiceps</i> , Valenciennes, 1847: An INCOIS-KUFOS initiative aiming at Single Species Fishery Forecast	Athul S

Session 2

Aquatic Resource Management - Non Living

Technical Session	Session Title	Venue	Time
Session 2	Aquatic Resource Management - Non-Living	Sini 1 Hall	14.00 to 17.15
Co-Chairs	Dr. R. Shankar & Dr. R. Nagendra		
Rapporteurs	Dr. Girish Gopinath & Dr. Abhish K.		
INVITED TALKS			
ARN - INV 1	Non-Living Resources of the Deep-Sea Floor	Dr. PV Sukumaran	14.00 to 14.30
ARN - INV 2	Sea geological investigations orienting towards blue economy	Dr. R Nagendra	14.30 to 15.00
ARN - INV 3	Marine mineral resources	Dr. R Shankar	15.00 to 15.30
<i>Tea break</i>			16.00 to 16.15
ARN - INV 5	Gas hydrates: prospects and challenges	Dr. Aninda Mazumdar	16.15 to 16.45
ARN - INV 6	Non-Living aquatic resources with special reference to non-living marine resources from Indian EEZ	Dr. A Anil Kumar	16.45 to 17.15

Session 3

Climate Change, Ocean Health and Global Warming

Technical Session	Session Title	Venue	Time
Session 3	Climate Change, Ocean Health and Global Warming	Sini 2 Hall	14.00 to 18.30
Co-Chairs	Dr. A Gopalakrishnan & Dr. KV Thomas		
Rapporteurs	Dr. Anas Abdulaziz & Dr. Shijo Joseph		
INVITED TALKS			
CCO - INV 1	Big waves on the shallow sea: coastal policy and sea level rise in the Netherlands	Dr. Bert Enserink	14.00 to 14.30
CCO - INV 2	Climate change impact on ocean (and cryosphere) and sequestration: a solution	Dr. KP Thri vikramji	14.30 to 15.00
CCO - INV 3	River run off into the ocean and climate	Dr. PN Vinayachandran	15.00 to 15.30
CCO - INV 4	Addressing coastal vulnerability for blue economy	Dr. KK Ramachandran	15.30 to 16.00
<i>Tea break</i>			16.00 to 16.15
CCO - INV 5	Ocean processes influencing recruitment in small pelagic fish	Dr. VN Sanjeevan	16.15 to 16.45
CCO - INV 6	Impact of global climate change on climate health	Dr. PU Zachariah	16.45 to 17.15

ORAL PRESENTATION

Abstract Code	Title	Author
CCO - OR -1	Climate change and role of e commerce as a socioeconomic resilience strategy for fisherman communities	Sharon Benny
CCO - OR -2	Transitional changes in hydrography of Cochin backwaters associated with the August 2016 floods	Princy M John
CCO - OR -3	Impact of climate change on the feeding habits of Indian oil sardine (<i>Sardinella longiceps</i>) along Kerala coast	Sajna V Hussain
CCO - OR -4	Assessment of perception and vulnerability of fisher's livelihood to climate variability	Shakir Ahmad Mir

CCO - OR -5	Fuel use and Greenhouse gas emission (GHG) implications in fishing: a study on gill net cum long line fishery of Tamil Nadu	Yasmi VS
CCO - OR -6	An exploration of flood forecasting techniques and their applications	Merin Skariah
CCO - OR -7	Monsoonal variability of zooplankton standing stocks in the Cochin estuary	PM Hani Mohandas

Session 4
Aquatic Production Systems
29th November 2019

Technical Sessions	Session Title	Venue	Time
Session 4	Aquatic Production Systems	Oman Hall	09:30 to 13:00
Co-Chairs	Dr. P. Jayasankar & Dr. Debajit Sarma		
Rapporteurs	Dr. Radhika Rajasree & Dr. Mithun Sukumaran		
INVITED TALKS			
APS- INV-1	Chaperoning G protein-coupled receptors: from cell biology to therapeutics	Dr. Yaxiong Tao	09:30 to 10.00
APS- INV-2	Blue economy and aquaculture – Role of biotechnology in addressing production issues	Dr. P. Jayasankar	10.00 to 10:30
APS- INV-3	Mariculture and blue economy in India	Dr. Boby Ignatius	10:30 to 11:00
<i>Tea Break</i>			11.00 to 11.15
APS- INV-4	Status of shrimp farming in Kerala	Mr. P. Sahadevan	11:15 to 11:45
APS- INV-5	Strategies for climate resilient coastal fresh water aquaculture	Dr. R.K. Trivedi	11.45 to 12.15

ORAL PRESENTATION

Abstract Code	Title	Author
APS - OR - 1	Genetic analysis of Nile Tilapia <i>Oreochromis niloticus</i> reared in two input production systems	Kassaye Balkew Workagen
APS - OR - 2	Developing a simple outdoor breeding system of Pearlsplit, <i>Etroplus suratensis</i> for continuous seed production and facilitate selective breeding program	Binu Varghese
APS - OR - 3	Effects of dietary blend of fish oil with corn oil on growth, digestive enzyme activity and fatty acid composition of Milkfish, <i>Chanos chanos</i> larvae	T Sivaramakrishnan
APS - OR - 4	Quantitative taurine requirement for <i>Pangasius hypophthalmus</i> fed caesin based diet	Nikhila Peter

APS - OR - 5	Mariculture of spiny lobsters, <i>Panulirus homarus</i> in seacages at Thoothukudi district, Tamil Nadu	Chellappa Kalidas
APS - OR - 6	Fishmeal replacement with cotton seed meal on growth, feed utilization and hemato-immunological response of snubnose pompano	D Linga Prabu
APS - OR - 7	Growth performance, osmolality and histological changes in hepatopancreas of Indian white shrimp, <i>Penaeus indicus</i> juveniles reared at different salinity regimes	Shyne Anand
APS - OR - 8	Shrimp shell meal as an active nutritional ingredient for growth and colouration in the high value ornamental fish, Discus (<i>Symphysodon aequifasciatus</i>)	Ramjanul Haque
APS - OR - 9	Energy-efficient integrated eco-aquaculture of Seahorses: a new paradigm for its conservation	S Sangavi
APS- OR- 10	Ontogenic development of digestive tract in Indian Walking Catfish, <i>Clarias magur</i> larvae	Rakhi Kumari
APS- OR -11	Significance of organic aquaculture in Kerala: current status and way forward	K Dinesh
APS- OR -12	Dietary gamma amino butric acid potentiates growth and expression of appetite regulating genes in <i>Labeo rohita</i> fingerlings	Tincy Varghese

POSTER PRESENTATION

APS - PO - 1	Utilization of extracted lemon grass as potential source of feed ingredient for <i>Labeo rohita</i> fingerlings supplemented with exogenous enzyme	Arya Prabhakaran
APS - PO - 2	Effect of stocking density on growth and survival of silver barb, <i>Barbonymus gonionotus</i> Bleeker fry reared in concrete tanks	Amanjit Naik
APS - PO - 3	Feeding of <i>Chromolaena ordata</i> leaf meal as a replacer of de-oiled rice bran: effect on α -amylase activity, mRNA expression and digestibility of <i>Labeo rohita</i>	Sajina KA
APS - PO - 4	Molecular characterization of peptidoglycan recognition protein gene in <i>Cirrhinus mrigala</i> Hamilton 1822	Zahoor Mushtaq
APS - PO - 5	Use of fish waste hydrolysate as plankton booster and its potential to reduce feed requirement in <i>Chanos chanos</i>	Sandeep KP
APS - PO - 6	Behavioural response towards different colours LED light in (<i>Macrobrachium rosenbergii</i> , De Man, 1879) in Y -maze tank	Shalini Mohanan
APS - PO - 7	Role for earthworms for sustainable fish culture in attaining better food security	Rajendar Kumar
APS - PO - 8	Culture performance of black tiger shrimp, <i>Penaeus monodon</i> in improved traditional and semi intensive culture systems in Central Kerala, India	Anna AT
APS - PO - 9	Impact of floods on yield and water quality parameters in traditional shrimp filtration fields: a case study from Chellanam Kochi, Kerala	Anna AT

APS - PO - 10	Effect of dietary methionine supplementation on survival and immune response of Rohu fingerlings, <i>Labeo rohita</i>	Nilima Priyadarshini
APS - PO - 11	Rohu, <i>Labeo rohita</i> seed rearing: an Experiential Learning Program initiative in KUFOS	Leena Devadas
APS - PO - 12	Potential of combination of <i>Leucas aspera</i> , oxycyclodextrin and bentonite as feed additives in Nile Tilapia, <i>Oreochromis niloticus</i>	Amitha Kurian
APS - PO - 13	A geospatial study on spatiotemporal growth of brackishwater aquaculture using geographical information systems for Varapuzha village in Ernakulam District	Shaganimol CN
APS - PO - 14	Nursery rearing of <i>Penaeus monodon</i> (Fabricius) and <i>Litopenaeus vannamei</i> (Boone) in the recirculatory aquaculture system	Viji CS
APS - PO - 15	Effect of modified Clinoptilolite (Minazel Plus®) feed additive on immune response of Nile Tilapia, <i>Oreochromis niloticus</i>	Digi George
APS - PO - 16	Negative bouyancy disorder in a flower horn fish	S Sulficar
APS - PO - 17	Evaluation of different substrates for raising <i>Moina macropopa</i>	Shyama S
APS - PO - 18	Comparative assessment of production of <i>Moina macropopa</i> at different stocking densities	Aryasree PV
APS - PO - 19	Life history of parameters of <i>Moina macropopa</i> raised in different media	Neethu Norman
APS - PO - 20	Farmer friendly technology for enhanced seed production of Pearlsport, <i>Eetroplus suratensis</i> (Bloch)	B Pradeep
APS - PO - 21	Diversity in cage farming protocols with special reference to coastal environment of Central Kerala	KV Unnikrishnan
APS - PO - 22	Sour paste nematodes as live feeds	Aswathy Babu
APS - PO - 23	Captive breeding and embryonic development of an endemic ornamental cyprinid, <i>Rasbora dandia</i> (Valenciennes)	Melbin Lal
APS - PO - 24	Replacement of fishmeal with a mixture of fermented guar and copra meal in the diet of genetically improved farmed tilapia GIFT	Namita Dileep
APS - PO - 25	Evaluation of green pea, <i>Pisum sativum</i> leaf meal in the diet of <i>Labeo rohita</i> (Hamilton, 1822) fingerlings	Husain N
APS - PO - 26	Production of monosex Pearlsport <i>Eetroplus suratensis</i> using synthetic hormone	Kalapala Satvik
APS - PO - 27	Lethal concentration LC ₅₀ of cadmium of juvenile Pearlsport, <i>Eetroplus suratensis</i> (Bloch, 1970)	Anju KV
APS - PO - 28	Dietary methionine requirement of juvenile Silver pompano, <i>Trachinotus blochii</i> (Lacepede, 1801)	Sanal Ebenezer

APS - PO - 29	Treatment of ammonia and nitrate in aquaculture wastewater	Elizabeth Mary John
APS - PO - 30	Assessment of growth performance of mudcrab, <i>Scylla serrata</i> on formulated feed	Chandrabhushan S Nishad
APS - PO - 31	Embryonic and larval development of Malabar dwarf puffer, <i>Carinotetraodon travancoricus</i>	Chandana BL
APS - PO - 32	Winter fish: survival and adaptation strategies with respect to tropical fishes in India in response to prolonged low temperature	Gopika Radhakrishnan
APS - PO - 33	Effect of different Carbon/Nitrogen ratio on intensive nursery rearing of Rohu, <i>Labeo rohita</i> (Hamilton, 1822) in biofloc technology based culture system	Sushree S Dey
APS - PO - 34	Transcriptomics - a journey through the expressing part of the genome	VM Mruthuchithra
APS - PO - 35	Mussel farming in Kasaragode: a successful model for rural women empowerment and gender inclusiveness	TA Keerthana
APS - PO - 36	Way forward in selective breeding of Pearlsplit, <i>Etroplus suratensis</i>	Binu Varghese
APS - PO - 37	Developmental stages of oocytes and ovary during oogenesis in the spiny lobster <i>Panulirus homarus</i> (Linnaeus, 1758)	Rachel Fernandez

Session 5

Aquatic Products and Technologies

29th November 2019

Technical Session	Session Title	Venue	Time
Session 5	Aquatic Products and Technologies	Sini 1 Hall	09:30 to 13:00
Co-Chairs	Dr. C.N. Ravishankar & Dr. Soottawat Benjakul		
Rapporteurs	Dr. Maya Raman & Dr. Martin Xavier		
INVITED TALKS			
APT- INV-1	Recent advances in processing and packaging of fishery products	Dr. C.N. Ravishankar	09:30 to 10.00
APT-INV-2	Collagen and hydrolyzed collagen from fish skin: Value-added functional ingredients	Dr. Soottawat Benjakul	10.00 to 10:30
APT- INV-3	opportunities in the utilization of seaweeds	Dr. Suseela Mathew	10.30 to 11.00
<i>Tea break</i>			11.00 to 11.15

ORAL PRESENTATION

Abstract Code	Title	Author
APT - OR - 1	Effects of chitosan on retrogradation properties of corn starch in fish mince emulsion sausage	Kasturi Chattopadhyay
APT - OR - 2	Assessment of in-vitro and in-vivo biocompatibility of fish scale derived hydroxyapatite for bone regeneration	Binsi PK
APT - OR - 3	<i>Chronobacter</i> spp. in seafood of Mumbai, India and their antibiogram: a concern to food safety	SK Das
APT - OR - 4	Identification of allergic proteins of Kiddi Shrimp, (<i>Parapaenaeopsis stylifera</i>) and characterisation by mass spectrometry	Laly SJ
APT - OR - 5	Development of portable machine vision system for freshness assessment of Indian Mackerel (<i>Rastrelliger kanagurta</i>) during iced storage	Murali S
APT - OR - 6	Characterisation of surface-active protein hydrolysate from yellowfin tuna red meat	Parvathy U
APT - OR - 7	Extraction and characterisation of gelatin from blubber lip (<i>Lutjanus rivulatus</i>) scales	Moe The Ingi Hlaing
APT - OR - 8	Physical, chemical and sensorial quality evaluation of phosphate treated and non treated PUD shrimp (<i>Litopenaeus vannamei</i>) samples	Vivid Suneetha D'Souza

POSTER PRESENTATION

APT - PO - 1	Extraction of carotenoprotein from <i>Penaeus vannamei</i> shell waste using extreme halophilic archaea	Bandela Dayakar
APT - PO - 2	Comparative analysis of three strains of fermentative bacteria on the recovery of nutritional components from <i>Pangasius</i> processing waste	Dhanya Lakshmi Kanth
APT - PO - 3	Development and quality evaluation of fish protein concentrate incorporated value-added products	Somy Mary Mathew
APT - PO - 4	Determination of the quality and shelf life of sous vide cooked Cobia (<i>Rachycentron canadum</i>) fillets in chilled conditions	Shyni K
APT - PO - 5	Extraction and characterisation of fish protein hydrolysate from head of skipjack tuna (<i>Katsuwonus pelamis</i>)	Mohammed Ihzan
APT - PO - 6	Optical fiber bundle sensor and other conventional techniques for detection of formaldehyde concentration in fish: a review and comparative study	Deepika S
APT - PO - 7	Comparative study of carotenoprotein extracted from four different shell waste by enzymatic hydrolysis	Sandeep Shankar Pattnaik
APT - PO - 8	Effect of Carbon/Nitrogen ratio on microbial ensilation of fish and vegetable waste	Subal Kumar Ghosh
APT - PO - 9	Determination of phenolic compounds and antioxidant activity of ethanolic potato peel extract in fish (<i>Sardinella fimbriata</i>) mince	Monalisa Mishra
APT - PO - 10	Nutritional quality of edible crab species from Kochi, Kerala	Neha Omgy
APT - PO - 11	Preservation of mahseer (<i>Tor khudree</i>) steaks in natural extract	Hafsa Maqbool
APT - PO - 12	A practical proposal for utilization of water hyacinth as a potential raw material for sustainable construction material: a review	Shimol Philip
APT - PO - 13	Molecular characterisation and antibiogram analysis of <i>Vibrio parahaemolyticus</i> isolated from traditional penaeid shrimp rearing ponds of Cochin, Kerala	Reshma R Nair
APT - PO - 14	Thermal process standardisation of Ready to Eat (RTE) fried Malabar short neck clam (<i>Marcia recens</i> Holten, 1802) in transparent retort pouches	Archana G
APT - PO - 15	Shell life extension of <i>Sardinella longiceps</i> (Valenciennes, 1847) using the combined effect of leaves of <i>Garcinia gummigutta</i> and vacuum packing	Anjana K Saju
APT - PO - 16	Validation of multiplex PCR protocol for identification of <i>E. coli</i> 0157 by spiking in seafood	Preenanka R
APT - PO - 17	Changes in protein during agar processing from seaweed (<i>Gelidium acerosa</i>): a comparison between acid and alkali method of agar extraction	Sushri Subhasini Behera
APT - PO - 18	Proximate body composition of commercial indigenous barbs of Malankara Reservoir, Kerala	Sachin Pandit
APT - PO - 19	Evaluation of antibacterial potential of marine sponge <i>Fasciospongia</i> spp. against fish pathogens	Sreena Raj

APT - PO - 20	Effect of different storage conditions on viability of <i>Acartia tropica</i> eggs	Jess Maria Wilson
APT - PO - 21	Effect of seaweed based bioactive edible coating on fish proteins and lipids during freezing and frozen storage	Layana Porayil
APT - PO - 22	Potential of spices for value added sea food preparations	E Jayashree
APT – PO- 23	Biofunctional effects of protein and lipids from echinoides of east coast of India with reference to antimicrobial and antioxidant properties	Radhika Rajasree SR

Session 6

Marketing, Trade, Education and Capacity Building

29th November 2019

Technical Session	Session Title	Venue	Time
Session 6	Marketing, Trade, Education and Capacity Building	Sini 2 Hall	09:30 to 13:00
Co-Chairs	Shri. K.M. Harilal ITS & Dr. Ram Mohan		
Rapporteurs	Dr. Afsal & Dr. Rajesh K		
INVITED TALKS			
MTE-INV-01	Guidelines for facilitating trade in the context of augmenting blue economy	Shri. K.M.Harilal ITS	09:30 to 10.00
MTE-INV-02	Aquaculture without Frontiers and Latin America	Dr. Roy D. Palmer	10.00 to 10:30
MTE-INV-03	Marketing of seafood for augmenting sustainable blue economy	Dr. Ram Mohan M.K.	10:30 to 11:00
<i>Tea break</i>			11.00 to 11.15
MTE-INV-04	UNCLOS: legal framework for global action and marine cooperation	Adv. Syam Kumar	11:15 to 11:45
MTE-INV-05	Trustworthy or Tragic: Women's status will reveal the future of fisheries	Dr. Meryl J Williams	11:45 to 12.15
MTE-INV-06	Sea Safety and sea trade towards Blue Economy	Dr. K .R. Deepak Kumar	12.15 to 12.45
<i>Lunch</i>			13.00 to 14.00
MTE-INV-07	Role of WWF for fisheries conservation	Dr. Vinod M.	14.00 to 14.30
MTE-INV-08	IPR and other legal issues in the context of blue economy	Shri. Bilal Nazir	14.30 to 15.00

ORAL PRESENTATION

Abstract Code	Title	Author
MTE - OR - 1	Market linkages and benefit sharing in the Indian mackerel value chain in Karnataka: a policy analysis	Aswathy Natrajan
MTE - OR - 2	A study of fish purchase behaviour of consumers over online portals in Kerala	Sajeev MV

POSTER PRESENTATION

MTE - PO - 1	An introduction to block chain technology (BCT)	T Asha Vijay
MTE - PO - 2	Fish consumption patterns among students of SKUAST-Kashmir	Shahid Gul
MTE - PO - 3	Seafood export from Kerala: trends and future prospects	Raju MS
MTE - PO - 4	Seafood export: key concerns and opportunities	Asha Pillai
MTE - PO - 5	Commoditization of seafood: analysis in the perspective of Indian seafood industry	Yash Sunil Pawar

Session 7

Ocean Processes and Environmental Impact

29th November 2019

Technical Session	Session Title	Venue	Time
Session 7	Ocean Processes and Environmental Impact	Oman Hall	14:00 to 16:00
Co-Chair	Dr. K.A. Simon & Dr. Ajith Joseph		
Rapporteurs	Dr. Rasheed K. & Dr. Anu Gopinath		
INVITED TALKS			
OPEI - INV 01	Emerging Trends in Shipping for Environment Protection	Dr. K.A. Simon	14.00 to 14.30
OPEI - INV 02	Ocean upwelling and ecosystem health	Dr. Ajith Joseph	14.30 to 15.00
OPEI - INV 03	Physical control on algal bloom ecology in Indian Sea	Dr. Aneesh A. Lotliker	15.00 to 15.30
<i>Tea break</i>			15.30 to 15.45

ORAL PRESENTATION

Abstract Code	Title	Author
OPE - OR - 1	Seasonal variation in core sediment biogeochemistry in the selected mangrove regions of West Bengal and Kerala	Suchismita Saha
OPE - OR - 2	Role of meteorological factors on the ocean bio-productivity in the coastal waters of Arabian Sea during the Indian Summer monsoon	CA Babu
OPE - OR - 3	Bathymetric steering induced sea surface cooling and the enhancement of biological productivity off the southwest coast off India	Johnson Zachariah
OPE - OR - 4	Nanobiocides as antifouling agents in aquaculture cagenets: bioaccumulation and toxicity studies in <i>Oreochromis mossambicus</i>	Manju Lekshmi
OPE - OR - 5	Mapping of productive surface thermal fronts along the south west coast of India	Reba Mary Raju
OPE - OR - 6	Assessment of fish biomass in a tropical reservoir in India using hydroacoustics	Feroz Khan

OPE - OR - 7	Wave characteristics of Kozhikode region, south west coast of India during the passage of cyclone Nilofar	Ramu Pachanattu
OPE - OR - 8	Synthesis and characterization of silver nano particles using mangrove humic acids and their role as catalyst in the degradation of organic dyes	Jennees Mathew
OPE - OR - 9	Contributory role of tides and sea level in prolonging the flood inundation period	KG Vimal Kumar
OPE - OR - 10	Degree of chaos in surface-subsurface chlorophyll interlinkages in the North Eastern Arabian Sea (NEAS) during Spring Inter-Monsoon	Midhun Shah Hussain

POSTER PRESENTATION

OPE - PO - 1	Microplastics in shrimps: a case study of Mumbai waters	Udai Ram Gurjar
OPE - PO - 2	Studies on the bioaccumulation of microplastics in bivalves of urban beaches of Mumbai	Bejawada Chanikya Naidu
OPE - PO - 3	Macroplastic load in the bottom sediment of the southern sector of Vembanad Lake	Sudarsan KS
OPE - PO - 4	Isolation of tannins from the bark of the mangrove plant <i>Rhizophora mucronata</i> and evaluation of antibacterial activity	Kala Jacob
OPE - PO - 5	An exploration of noise mitigation techniques for superior pre-processing of image	Pooja Prasenani
OPE - PO - 6	Ingestion of microplastics by brown mussel, <i>Perna perna</i> (Linnaeus, 1758)	Chinnu Remanan
OPE - PO - 7	Coastal vulnerability analysis along Thiruvananthapuram coastline using remote sensing and GIS	Irshad Ali KC
OPE - PO - 8	Mangroves as a natural defence against natural disasters	Little Flower TJ
OPE - PO - 9	Weathering of plastic: an overview of physical, chemical and biological implications of its transformation in marine environment	VG Nikhil
OPE - PO - 10	Underwater safety	Basim Basheer
OPE - PO - 11	An attempt to integrate environment and dol net fish catch of Maharashtra coast using GAM analysis	Ratheesh Kumar
OPE - PO - 12	Ergonomics on intelligent underwater communication	Nebu Pulickal
OPE - PO - 13	Diversity, distribution and substrate specificity of fouling molluscs in the Cochin backwaters	K Ranjeet
OPE - PO - 14	The use of <i>Oryza sativa</i> in sediment toxicity test of the River Periyar	Syamkumar R
OPE - PO - 15	Screening of plastic degrading microorganism isolated from different environmental sources	Jaysree RC

Session 8 Aquatic Production Systems (Biotechnology)

29th November 2019

Session 8	Aquatic Production Systems (Biotechnology)	Sini 1 Hall	14:00 to 18.00
Co-Chair	Dr. K.K. Vijayan & Dr. K.V.Rajendran		
Rapporteurs	Dr. Rejishkumar VJ & Dr. Justin David		
INVITED TALKS			
APSBT - INV 01	Emerging and re-emerging diseases with special reference to Indian brackishwater aquaculture	Dr. K.K. Vijayan	14.00 to 14.30
APSBT - INV 02	Application of Quantitative Genetics for fish & fish breeding	Dr. Gopikrishna G.	14.30 to 15.00
APSBT - INV 03	Emergent chronic diseases in farmed shrimp- an update	Dr. K.V. Rajendran	15.00 to 15.30
APSBT - INV 04	<i>Photobacterium damsela</i> subsp. <i>damsela</i> – an emerging pathogen of marine finfish culture	Dr. M. Rosalind George	15.30 to 16.00
<i>Tea break</i>			16.00 to 16.15

ORAL PRESENTATION

Abstract Code	Title	Author
APB - OR - 1	Effect of varying dietary protein levels on physiometabolic responses of <i>Penaeus vannamei</i> (Boon, 1931) juveniles reared in inland saline water of 10ppt	Chinmay Nanda
APB - OR - 2	Identification of carbapenem and extended spectrum β - lactamase resistance genes in <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> in public water bodies in Kerala, India: evidence of horizontal spread of antimicrobial resistance	Sneha KG
APB - OR - 3	Synthesis and characterisation of carbon nanotubes (CNTS) and assessment of toxicity in Zebra fish model	Alok Kumar Sethy
APB - OR - 4	Effect of 17 β -Estradiol on the survival and growth performance of Giant Freshwater Prawn, <i>Macrobrachium rosenbergii</i> (De Man, 1879) larvae	Nahida Rasheed

APB - OR - 5	Isolation and characterisation of vitellogenin and vitelin and the extra ovarian synthesis of vitellogenin in the spiny lobster, <i>Panulirus homarus</i> (Linnaeus, 1758)	Rachel Fernandez
APB - OR - 6	Optimized purification method for white syndrome virus from <i>Penaeus monodon</i> (Fabricius)	Ubaid Qayuum
APB - OR - 7	dsRNA dependent protein kinase of <i>Schizothorax richardsonii</i> has three dsRNA binding motifs	Amit Pandey

POSTER PRESENTATION

APB - PO - 1	Identifying implications of marine bioactive compounds for therapeutics in Alzheimers disease	Sreejalakshmi Preetham
APB - PO - 2	Antibacterial and antioxidant efficacy of macroporous bioscaffolds prepared with gelatin-chitosan and collagen of <i>Priacanthus hamrur</i> skin	Radhika Rajasree
APB - PO - 3	Endocrine disruptor TriButyTin (TBT) induces hepatotoxicity in Zebrafish	Justin David
APB - PO - 4	Study of leech infestation in freshwater pearl mussel, <i>Lamellidens marginalis</i>	Lipika Hembram
APB - PO - 5	Broodstock age based embryonic developmnet of common carp (<i>Cyprinus carpio</i> var. communis)	Lovedeep Sharma
APB - PO - 6	Enhancement of antimicrobial activity of lectin conjugated with copper nanoparticles against aquatic pathogens	Rubeena Abdul Salam
APB - PO - 7	Recent EUS outbreak in the flood affected fish farms of Kerala	Bini C Das
APB - PO - 8	Occurrence of fungal infection in fishes - case reports	Sajitha IS
APB - PO - 9	Diet induced obese Zebrafish model for identifying therapeutic targets in human obesity	Justin David
APB - PO - 10	Zebrafish: a novel tool in regeneration biology	Justin David
APB - PO - 11	N-acylhomoserine lactone - degrading <i>Bacillus</i> strains isolated from fish culture pond soil	Divya Haridas
APB - PO - 12	Screening of antifungal activity of freshwater fish species against selected microbes	N Peetambari Devi
APB - PO - 13	C- type lectin and its mechanism of resistance to parasitic diseases in marine finfish and its role in antimicrobial defense	Rubeena Abdul Salam
APB - PO - 14	Dissipation kinetics of thiamethoxam and its major metabolite clothianidin in soil under chilli ecosystem using LC-ESI-MS	S Visal Kumar
APB - PO - 15	Extraction and isolation of PHNQ pigments from sea urchin <i>Stomopneustes variolaris</i> (Lamarck, 1816) shell and its anticancer activity against human ovarian cancer cell lines	Radhika Rajasree

Session 9

Legal regimes, policies and governance

30th November 2019

Technical Session	Aquatic Production Systems (Biotechnology)	Sini 1 Hall	14:00 to 18.00
Session 9	Legal regimes, policies and governance		
Co-Chairs	Rtd. Justice Sukumaran & Dr. Meryl J. Williams		
Rapporteurs	Dr. Ratheesh & Dr. Limna Mol V.P.		
INVITED TALKS			
LRPG - INV 01	Role of ports in augmenting blue economy	Dr. M. Beena IAS	09:30 to 10.00
LRPG - INV 02	Blue Economy and Ocean Governance in Anthropocene: Perspectives from the Bay of Bengal	Dr. Sanjay Chaturvedi	10.00 to 10:30
LRPG - INV 03	Trustworthy or Tragic: Women's status will reveal the future of fisheries	Dr. Meryl J Williams	10:30 to 11:00
<i>Tea break</i>			11.00 to 11.15
LRPG - INV 04	Certification for sustenance of fisheries	Dr. Ranjit S.	11:15 to 11:45
LRPG - INV 05	Economic tariff and trade policies for augmenting trade	Shri. Mohd. Yousaf IRS	11:45 to 12:15

ORAL PRESENTATION

Abstract Code	Title	Author
LRP - OR - 1	Stakeholders feasibility analysis on fishery- based enterprise development process in inland backwater ecosystem	Jeyanthi P

POSTER PRESENTATION

LRP - PO - 1	Monitoring sustainability of women entrepreneurs in ornamental fish culture	Febin Wilfred
LRP - PO - 2	Blue economic resources: prospects and challenges for Indian and ASEAN countries	Afsal EM
LRP - PO - 3	Marine fisheries extension in India: some reflections	Sajesh VK
LRP - PO - 4	Resource dependency and governance ability of Chilika fishers - an analysis	Chinmay Nanda
LRP - PO - 5	Sanctuary based indigenous fish conservation: a case study from Kannur, Kerala	K Jithin
LRP - PO - 6	Fishing regulation effects on fishers with minimum legal size perspective along the Kerala coast	Mohammed Meharoof
LRP - PO - 7	Understanding the effectiveness of the Indian Wildlife Protection Act using syngnathid fishes as a case study	Shalu Kannan
LRP - PO - 8	Empowering rural women through ornamental fish culture: case study of an institutional intervention from Kozhikode district, Kerala	Lijo Thomas
LRP - PO - 9	The 'Blue Economy'- the new horizon for equity, social security and sustainability	Mohandas K