



# 3<sup>rd</sup> International Conference on Fisheries and Aquaculture 2016

24<sup>th</sup> – 25<sup>th</sup> August 2016, Negombo, Sri Lanka

“Aquaculture as an imperative segment of blue economy and sustainable development goals.”



## Technical Program

Inauguration Session

Wednesday, 24<sup>th</sup> August 2016 | 07.45 – 10.10

07.45 – 09.00	Conference Registration
09.00 – 09.10	<b>National Anthem &amp; Oil lamp</b>
09.10 – 09.20	<b>Welcome address by the Conference Convener</b> Mr. Isanka P. Gamage ( <i>Managing Director - The International Institute of Knowledge Management (TIKM), Sri Lanka</i> )
09.20 – 09.30	<b>Speech by the Conference Co - Chair (ICFA 2016)</b> Dr. K. Pani Prasad ( <i>Central Institute of Fisheries Education, India</i> )
09.30 – 09.40	<b>Speech by the Conference Co - Chair (ICFA 2016)</b> Dr. W.M.T.B. Wanninayake ( <i>Senior Marine Biologist</i> ) Former Professor of Fisheries and Aquaculture, Wayamba University of Sri Lanka & Former Chairman, Ocean University of Sri Lanka (NIFNE)
09.40 – 09.45	<b>Web Launch</b>
09.45 – 09.55	<b>Vote of thanks by the Conference Publication Chair</b> Mr. Oshadee Withanawasam ( <i>Chairman - The International Institute of Knowledge Management (TIKM), Sri Lanka</i> )
09.55 – 10.10	<b>Conference Photograph</b>
10.10 – 10.30	<b>Morning Refreshments</b>

## Keynote Forum

Wednesday, 24<sup>th</sup> August 2016 | 10.30 – 12.20

10.30 – 11.25	<b>Aquaculture: Gradual Paradigm Changes Needed to Contribute to “Blue Economy, Sustainability &amp; Food Security</b> Honorary Professor Sena S De Silva ( <i>School of Life &amp; Environmental Sciences, Deakin University, Australia</i> )
11.25 – 12.20	Dr. Amaratne Yakupitiyage (Associate Professor)( <i>Aquaculture and Aquatic Resources Management, School of Environment, Resources and Development, Asian Institute of Technology, Thailand</i> )
12.20 – 13.30	<b>Networking Lunch</b>

## TECHNICAL SESSION 01: Fisheries & Aquaculture Resources management

Wednesday, 24<sup>th</sup> August 2016 | 13.30 – 15.10

13.30– 13.50	<b>Assessment of Fishery Resources Status in Kuwait</b> Prof. Thamer Al-Dawood ( <i>Arabian Gulf University, Bahrain</i> ), S. Aldehani & A.Sh. Abdu
13.50– 14.10	<b>Community Participation in Monitoring of Culture-based Fisheries in Reservoirs of Sri Lanka</b> Ms. K.B.C.Pushpalatha ( <i>National Aquaculture Development Authority of Sri Lanka (NAQDA), Sri Lanka</i> ), W.A.J. R. Fernando & U.S. Amarasinghe

14.10– 14.30	<b>Genetic Variation and Population Biology of <i>Tenualosa ilisha</i> in the Bay of Bengal and the Persian Gulf</b> Prof. Dr. Kazi Ahsan Habib ( <i>Sher-e-Bangla Agricultural University, Bangladesh</i> ), Jasmin Sathi, Muntasir Rahman, Mohammad Nazrul Islam, A.H.M. Shafiullah Habib
14.30– 14.50	<b>Managing Inland Asian Aquatic Resources: How a Transdisciplinary Approach Leads to Sustainable Management of Fisheries</b> Prof. Upali Amarasinghe ( <i>University of Kelaniya, Sri Lanka</i> ), Maria Ching Villanueva, Annie Duncan, Jacques Moreau, Boonsong Sricharoendham, Koos Vijverberg, David Simon & Fritz Schiemer
14.50– 15.10	<b>Ecosystem Based Management Approach; to Sustain Depleting Seagrass Beds at Mandaitheevu, Jaffna, and Sri Lanka</b> Mr. Dayanantha Senathera Digamadulla ( <i>University of Jaffna, Sri Lanka</i> ), K Sivashanthini & AC Thavaranjit
15.10– 15.30	<b>Evening Refreshment</b>

#### TECHNICAL SESSION 02: Aquaculture health management

Wednesday, 24<sup>th</sup> August 2016 | 13.30 – 15.10

13.30– 13.50	<b>Gracillaria Associated Amphipod at Abalones’ Rearing Tank, Lombok Marine Aquaculture Development Center, Lombok, Indonesia</b> Dr. Felicia Zahida ( <i>University of Atma Jaya Yogyakarta, Indonesia</i> ), Wibowo N. Jati & Hery Setyabudi
13.50– 14.10	<b>Nutritional, Haematological and Histological Responses of Australian Snapper <i>Pagrus Auratus</i> Fed Various Inclusion Levels of Narrow-leafed Lupin Kernel Meal</b> Mr. Pham Duc Hung & Prof. Ravi Fotedar ( <i>Curtin University, Australia</i> )
14.10– 14.30	<b>Characterization of Lily Type Lectin: Molecular Antennas, Involved in Innate Immune Responses of Black Rockfish <i>Sebastes schlegelii</i></b> Mr. Roopasingam Kugapreethan ( <i>Jeju National University, South Korea</i> ), Qiang Wan, William Shanthakumar Thulasitha, Jehanathan Nilojan, Jehee Lee
14.30– 14.50	<b>The First Record of the Parasite, <i>Sacculina spp.</i> in <i>Portunus pelagicus</i> (Blue Swimming Crab) from Mannar, Sri Lanka</b> Ms. Ayantha Abeygunawardana ( <i>Uva Wellassa University, Sri Lanka</i> ) & S.C. Jayamanne
14.50– 15.10	<b>Effectiveness of <i>Eugenole</i> (Clove oil) as an Anesthetic for Fancy Guppy (<i>Poecillia reticulata</i>) in Simulated Packing for Long Distance Transport</b> Mr. Ajantha Rohana Mudalige ( <i>National Aquaculture Development Authority of Sri Lanka (NAQDA), Sri Lanka</i> ) & Prof .U. Edirisinghe
15.10– 15.30	<b>Evening Refreshment</b>

#### POSTER SESSION

Wednesday, 24<sup>th</sup> August 2016 | 15.30 – 15.50

	<b>Construction of Molecular/Morphological Phylogenetic Identification Database for the Neon Damsel fish, <i>Pomacentrus coelestis</i></b> Dr. Cheol young choi ( <i>korea maritime and ocean university, south korea</i> ) & Ji Yong Choi
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15.30 – 15.50	<b>An Edible Food Product from Armored Catfishes (<i>Pterygoplichthys spp.</i>)</b> Mr. K.D.R. Jayasena (Rajarata University, Sri Lanka), R.H.G.R. Wathsala, N.W.I.A. Jayawardana, G.P.S.I.Karunarathna, A.M.K.R. Bandara & B.M.K.S.Tilakaratne
	<b>Capillariosis in Green Terror (<i>Andinoacara rivulatus</i>) in Iran</b> Dr. Ali Hadadi ( <i>University of Teahran, Iran</i> ), Hooman Rahmati-Holasoo & HosseinAli Ebrahimzadeh Mousavi
	<b>Pathological Study on Skin Lesions of Referred Fishes to the Aquatic Clinic of the Faculty of Veterinary Medicine</b> Dr. Ali Hadadi ( <i>University of Teahran, Iran</i> ), F. Sasani, S. Shokrpoo, H. Rahmati-Holasoo & A. Zargar
	<b>Analysis of Total Petroleum Hydrocarbon Contamination in Edible Oysters Along Selected Intertidal Regions in Thailand: Coastal Conservation Approach</b> Ms. G.G.N.Thushari, Mr. JDM Senevirathna ( <i>Uva Wellassa University, Sri Lanka</i> ), Chavanich S.A. & Yakupitiyage.A.

#### TECHNICAL SESSION 03: Fisheries & Aquaculture Resources management

Wednesday, 24<sup>th</sup> August 2016 | 15.50 – 17.30

15.50 – 16.10	<b>Assessment of Spatial Variation of <i>Ichthyofaunal</i> Diversity in Upper Catchment Area of Badullu-oya</b> Ms. R.M.G.N. Rajapaksha ( <i>Uva Wellassa University, Sri Lanka</i> ), Prof. U. Edirisinghe, J.M.C.K. Jayawardana & S.C. Jayamanne
16.10 – 16.30	<b>Vertical Distribution and Diversity of Molluscs in Intertidal Habitats of Pigeon Island National Park, Trincomalee, Sri Lanka</b> Ms. K.P.G.K.P. Guruge ( <i>Uva Wellassa University, Sri Lanka</i> ) & P.B.Terney Pradeep Kumara
16.30 – 16.50	<b>Estimation of Population Dynamics Indices of Cultured Ornamental Fishes According to the Climatic Changes in Kurunegala District, in Sri Lanka</b> Mr. W. P.R.Chandrarathna ( <i>National Aquaculture Development Authority, Sri Lanka</i> ), B.G.D.Sumuduni, D.H.N.Munasinghe & N.J. De S.Amarasinghe
16.50 – 17.10	<b>Fishing Composition Shift and Climate Variation in Bali Strait</b> Dr. Aida Sartimbul ( <i>Brawijaya University, Indonesia</i> ), Erfan Rohadi, Defri Yona, Endang Yuli, Abu Bakar Sambah & Jogi Arleston
17.10 – 17.30	<b>Ichthyofauna and Birds Diversity in Wetland of Punjab in Distt. Tarn Taran (India) vis-a-vis Conservation and Management Strategies</b> Dr. Syed Shabih Hassan ( <i>University of Chittagong, Bangladesh</i> )
19.00 onwards	<b>Networking Dinner and Cultural Show</b>

#### TECHNICAL SESSION 04: Nutrition, Physiology and Biochemistry

Wednesday, 24<sup>th</sup> August 2016 | 15.50 – 17.30

15.50 – 16.10	<b>Physiological Responses of Juvenile Barramundi, <i>Lates Calcarifer</i> (Bloch, 1790) when Fed Bioprocessed Plant Based Diets</b> Mr. Van Binh Vo & Prof. Ravi Fotedar ( <i>Curtin University, Australia</i> ), Bui Phan Dien & Nguyen Quang Huy
16.10 – 16.30	<b>Tank Cleaner Fish Meal (<i>Hypostomus plecostomus</i>) as a Replacement for Commercial Fish Meal in Broiler Chicken Feed</b> Dr. Saman Athauda ( <i>University of Peradeniya, Sri Lanka</i> ), G.A.U.R. Ganepola, J.K. Vidanarachchi & S. Premaratne
16.30 – 16.50	<b>Fish Meal Replacement with Rice Protein Concentrate in a Practical Diet for the Pacific White Shrimp, <i>Litopenaeus vannamei boone</i>, 1931</b> Dr. Jafar Seyfabadi ( <i>Tarbiat Modares University, Iran</i> ), Amin Oujifard & Abdolmohammad Abedian Kenari
16.50 – 17.10	<b>Effects of Dietary Guava Leave Extract on Growth, Feed Utilization, Biometric Indices and Intestinal Bacterial Community of <i>Nile tilapia oreochromis niloticus</i></b> Mr. Manoj T. Kamble ( <i>Asian Institute of Technology, Thailand</i> )
17.10 – 17.30	<b>Proximate Analysis of Three Available Species of Duckweeds in Bangladesh</b> Mr. Md. Ponir Hossain ( <i>University of Chittagong, Bangladesh</i> )
19.00 onwards	<b>Networking Dinner and Cultural Show</b>

#### TECHNICAL SESSION 05: Aquatic Environment

Thursday, 25<sup>th</sup> August 2016 | 08.30 – 10.30

08.30 – 08.50	<b>Bioaccumulation of Heavy Metals in Aquatic Animals Collected from Poovar Estuary, Kerala, South West Coast of India</b> Prof. Sekharapilla Premjith ( <i>Rajiv Gandhi Institute of Development studies, India</i> )
08.50 – 09.10	<b>Impact of Water Level Fluctuations on Nesting Performance of Exotic Cichlid <i>Oreochromis niloticus</i> (L.) in Selected Irrigation Reservoirs of Kala Oya River Basin, Sri Lanka</b> Mr. K.V. Sandun Nalaka Bandara ( <i>University of Kelaniya, Sri Lanka</i> )
09.10 – 09.30	<b>Carbon Sequestration Through Integrated Microalgae Aquaculture</b> Ms. W.A. Anusha Dimuthu Lanka Wickramasinghe ( <i>ICAR-Central Institute of Fisheries Education, India</i> )
09.30 – 09.50	<b>Potential of Using Human Urine as a Low Cost Medium to Produce <i>Spirulina platensis</i> biomass to be Utilized as a Protein Supplement in Household Scale</b> Mr. Anjula Sachintha Mahaliyana ( <i>Uva Wellassa University, Sri Lanka</i> )
09.50 – 10.10	<b>Male <i>Oreochromis mossambica</i> as Indicator for Water Pollution with Trace Elements in Relation to Condition Factor from Pakistan</b> Dr. Muhammad Naeem ( <i>Bahauddin Zakariya University, Pakistan</i> )



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10.10 – 10.30	<b>Accumulation of Heavy Metals Copper (Cu) and Lead (Pb) in Water, Sediment and Gills of Milk Fish (<i>Chanos chanos forskal</i>) in the Aquaculture Area of Ujung Pangkah, Gresik-Indonesia</b> Dr. Defri Yona ( <i>Brawijaya University, Indonesia</i> )
10.30 – 11.00	<b>Morning Refreshments</b>

## TECHNICAL SESSION 06: Nutrition, Physiology and Biochemistry

Thursday, 25<sup>th</sup> August 2016 | 11.00 – 13.10

11.00 – 11.30	<b>Plenary Speech</b> Dr. Manoj R. Nair (Director and Chief Scientist at College of Micronesia Land Grant Program (NIFA, USDA))
11.30 – 11.50	<b>Utilization of Predigested Corn cob with Cellulase from <i>Trichoderma viridias</i> as Feedstuff on Growth Performance, Feed Utilization and Carcass Composition of Nile Tilapia (<i>Oreochromis niloticus</i>)</b> Dr. Rungkan klahan ( <i>Phetchaburi rajabhat university, Thailand</i> )
11.50 – 12.10	<b>Effect of Brewer's Wastes as a Partial Substitute for Dietary Fishmeal on Growth Performance of Guppy (<i>Poecilia reticulata</i>)</b> Ms. Dinushka Roshandi Jayasundara & Dr. Kumudu Radampola Gamage ( <i>University of Ruhuna, Sri Lanka</i> )
12.10 – 12.30	<b>Effect of Feeding Enriched <i>Artemia nauplii</i> with Cod Liver Oil and Sunflower Oil on Growth Performance, Survival and Stress Resistance Of Guppy Fry (<i>Poecilia reticulata</i>)</b> Ms. Kamburu Gamuwage Menaka Sandamali ( <i>University of Ruhuna, Sri Lanka</i> )
12.30 – 12.50	<b>Production of Microbial Silages from Animal Wastes as Fishmeal Replacer in Aquaculture Diets</b> Ms. Aysha Akhtar ( <i>University of Chittagong, Bangladesh</i> )
12.50 – 13.10	<b>Supplementation of Bromelain Extract in Diet on Growth, Feed Utilization and Nitrogen Excretion in Tilapia (<i>Oreochromis niloticus</i>)</b> Dr. Bundit Yuangsoi ( <i>Khon Kaen University, Thailand</i> )
13.10 – 14.10	<b>Networking Lunch</b>

## TECHNICAL SESSION 07: Aquaculture Product and sustainability

Thursday, 25<sup>th</sup> August 2016 | 14.15 – 16.15

14.15 – 14.35	<b>Evaluation of Growth Parameters of Freshwater Prawn (<i>Macrobrachium rosenbergii</i>) Under Formulated Diets Supplemented with Probiotics</b> Ms. Hajarooba.G ( <i>University of Jaffna, Sri Lanka</i> )
14.35 – 14.55	<b>Evaluation of Growth Performance of Fighter Fish (<i>Betta splendens</i>) Under Different Substrates</b> Mr. Ratnavel Srikrishnan ( <i>University of Ruhuna, Sri Lanka</i> )
14.55 – 15.15	<b>Effect of Artificial Substrates on the Cage Cultured Stinging Catfish, <i>Heteropneustes fossilis</i></b> Prof. Dr. Kazi Ahsan Habib ( <i>Sher-e-Bangla Agricultural University, Bangladesh</i> )



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15.15 – 15.35	<b>Food and Feeding Habits of Sting Catfish, <i>Heteropneustes fossilis</i> (Bloch) From Manchar Lake District Jamshoro Sindh Pakistan</b> Prof. Naeem Tariq Narejo ( <i>University of Sindh, Pakistan</i> )
15.35 – 15.55	<b>Prospects of Sustainable Fish Culture Practice for Livelihood Security in Distt. Tarn Taran (Punjab) India</b> Dr. Syed Shabih Hassan ( <i>University of Chittagong, Bangladesh</i> )
15.55 – 16.15	<b>Comparison of Crop-Livestock Based Organic Fertilizers on the Growth of Common Carp (<i>Cyprinus carpio</i>) Post Larvae in Outdoor Cement Tanks</b> Mr. Prabath Manjula Withanage ( <i>National Aquaculture Development Authority, Sri Lanka</i> )
16.15 – 16.45	<b>Evening Refreshments</b>

Thursday, 25<sup>th</sup> August 2016 | 17.00 – 17.30

17.00 – 17.30	<b>Conference Concluding and Awarding Ceremony</b>
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**Friday, 26<sup>th</sup> August 2016 | Post Conference Tour (Optional)**