



TIKM'S 2nd Annual International Conference on Fisheries and Aquaculture 2015

25th – 27th August, 2015, Hotel Galadari, Colombo, Sri Lanka
"Aquaculture in a Global Age"



Conference Program			
Day 01 : Tuesday, 25th August 2015			
	Start	End	Anthurium Hall
08.00 A.M. - 09.35 A.M.	08.00 a.m.	09.00 a.m.	Conference Registration
	09.00 a.m.	09.35 a.m.	<p>Inauguration Session</p> <p>Welcome address by the program chair Mr. Isanka P. Gamage (Director- The International Institute of Knowledge Management (TIKM), Sri Lanka)</p> <p>Speech by Conference Chair Dr. K. Pani Prasad (Professor at Central Institute of Fisheries Education, India)</p> <p>Speech by NAQDA Director General Dr. P. Nimal Chandraratne (National Aquaculture Development Authority of Sri Lanka)</p>
09.35 A.M. - 10.20 A.M.	09.35 a.m.	10.20 a.m.	<p>Keynote Forum</p> <p>Dr. Farshad Shishehchian (The President of the World Aquaculture Society, Asia Pacific Chapter, President & CEO of Blue Aqua International Groups of Companies)</p>
	10.20 a.m.	11.15 a.m.	Conference Photograph, Exhibition Opening & Morning Refreshment
11.15 A.M. – 12.45 P.M.	11.15 a.m.	12.00 p.m.	<p>Dr. W. S. Lakra (Director & Vice Chancellor, Central Institute of Fisheries Education, Indian Council of Agricultural Research, Versova, Mumbai, India)</p>
	12.00 p.m.	12.45 p.m.	<p>Prof. (Dr.) H. Shivananda Murthy (Professor & Head, Dept of Aquaculture at the Karnataka Veterinary & Fisheries Sciences University, College of Fisheries, Mangalore.)</p>
	12.45 p.m.	01.45 p.m.	Networking Lunch – Tulip Hall

02.30 P.M. - 04.10 P.M.	01.45 p.m.	02.30 p.m.	Keynote Forum Continues..... Dr. K. Pani Prasad (Professor at Central Institute of Fisheries Education, India)
	02.30 p.m.	02.50 p.m.	<p style="text-align: center;">Anthurium Hall</p> <p style="text-align: center;">TECHNICAL SESSION 1: ENVIRONMENT, POLICY & REGULATIONS</p> <p>Chaired by Dr. K. Pani Prasad (Professor at Central Institute of Fisheries Education, India)</p> <ul style="list-style-type: none"> • Prof. Jonathan M.P. (Centro Interdisciplinario de Investigaciones y Estudios sobre Medio Ambiente y Desarrollo (CIEMAD), Instituto Politécnico Nacional (IPN), Mexico) <i>Will the Protein Source to Man Act as an Indicator of Pollution in an Ecosystem? A Case Study on the Fishes From Bahia Magdalena, Baja California Sur, Mexico.</i> • Ms. R. H. G. R. Wathsala (Department of Animal and Food Sciences and Department of Agricultural Systems, Faculty of Agriculture, Rajarata University, Sri Lanka) <i>Impact of Armored Catfishes (<i>Pterygoplichthys</i> Species) on Inland Fisheries Sector in Sri Lanka: Need for Immediate Action to Eradicate Them?</i> • Dr. Mohd Fadzil Shuhaimi bin Ramli (Quest International University Perak, Malaysia) <i>False Alarm: Is Fishing Rezoning Necessary in Malaysia?</i> • Ms. Anuradhi Jayasinghe (Faculty of Agriculture, University of Ruhuna, Sri Lanka) <i>The Centrality of 'Relationships' in Coping with Shocks and Improving Wellbeing in Small Scale Fishing Communities of Southern Sri Lanka</i> • Mr. Bamidele Nathanael Akinsafe (Institute of Food Security, Environmental Resources and Agricultural Research, Federal University of Agriculture, PMB 2240, Abeokuta, Nigeria) <i>The Diversity of the Tilapia (<i>Cichlidae</i>) in Yewa Lagoon, Nigeria</i>
	02.50 p.m.	03.10 p.m.	
	03.10 p.m.	03.30 p.m.	
	03.30 p.m.	03.50 p.m.	
	03.50 p.m.	04.10 p.m.	
04.10 p.m.	04.30 p.m.	Evening Refreshment	

06.30 p.m. Onwards		Conference Dinner & Cultural Show @ Mount Breeze - Hosted by TIIKM	
Day 02 : Wednesday, 26th August 2015			
09.00 A.M. – 10.20 A.M.	09.00 a.m.	09.20 a.m.	<p style="text-align: center;">Anthurium Hall</p> <p style="text-align: center;">TECHNICAL SESSION 02: AQUACULTURE, BREEDING & GENETIC</p> <p>Chaired by Prof. W.M.T.B Wanninayake (Former Director of National Aquatic Resources & Development Agency, Sri Lanka)</p> <ul style="list-style-type: none"> • Prof. Rina Chakrabarti (Aqua Research Lab, Department of Zoology, University of Delhi, India) <i>Effect of Temperature on the Digestive Physiology, Immune System, Lipid Peroxidation and Expression of Selected Genes in Catla Catla</i> • Dr. Peter Halswell (University of Exeter ,National Lobster Hatchery, United Kingdom) <i>Optimising Fluid Flow for Lobster Aquaculture</i> • Dr. Saman Athauda (Department of Animal Science, Faculty of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka) <i>Production of All Male Tilapia (<i>O. Niloticus</i>) by Immersion of Fry in Different Concentrations of 17α-Methyl Testosterone</i> • A.S.L.E.Corea (National Aquatic Resources Research & Development Agency, Sri Lanka) <i>Factors Governing Oyster (<i>Crassostrea Madrasensis</i>) Breeding and Growth at Locations Selected in Puttalam and Kalpitiya Area</i>
	09.20 a.m.	09.40 a.m.	
	09.40 a.m.	10.00 a.m.	
	10.00 a.m.	10.20 a.m.	

09.00 A.M. – 10.20 A.M.	09.00 a.m.	09.20 a.m.	<p>Salon Orchid</p> <p>TECHNICAL SESSION 03: NUTRITION</p> <p>Chaired by Dr. M.F.M Fairoz (Academic Head of Collage of Fisheries and National Engineering, Ocean University, Tangalle, Sri Lanka)</p> <ul style="list-style-type: none"> Mr. Moses Rinchui Ngasainao (Department of Zoology, Deshbandhu College, University of Delhi, Delhi, India) <i>Digestive Enzyme Profile of Cold Water Carp Schizothorax Richardsonii During Ontogenic Development</i> Mr. K.R.P.S.Kumara (Department of Zoology & Environmental Management, University of Kelaniya, Kelaniya, Sri Lanka) <i>Reproductive Performances of Brood Stocks of Black Tiger Shrimp, Penaeus Monodon When Docosa Hexaenoic Acid (DHA) and Eicosa Pentaenoic Acid (EPA) Are Added to The Maturation Diet</i> Dr. Jai Gopal Sharma (Department of Zoology and Applied Aquaculture, Barkatullah University, Bhopal, India) <i>In Vitro Digestibility Study of Plant Proteins in Diets of Various Fish Species</i> Prof. Dr. Naeem Tariq Narejo (Department of Fresh Water Biology, University of Sindh, Jamshoro, Pakistan) <i>Comparative Study of Biochemical Properties of Non-Conventional Plant Sources to Prepare Low Cost Fish Feed</i>
	09.20 a.m.	09.40 a.m.	
	09.40 a.m.	10.00 a.m.	
	10.00 a.m.	10.20 a.m.	
10.20 a.m.	10.45 a.m.	Morning Refreshment	
10.45 A.M. – 12.25 P.M.	10.45 a.m.	11.05 a.m.	<p>Anthurium Hall</p> <p>TECHNICAL SESSION 04: ADVANCES IN SEAFOOD PROCESSING</p> <p>Chaired by Dr. K. Pani Prasad (Professor at Central Institute of Fisheries Education, India)</p> <ul style="list-style-type: none"> Mr. Mark Jude F. Trondillo (Agricultural Engineering Department, Southern Philippines Agri-business and Marine and Aquatic School of Technology, Digos City, Davao del Sur, Philippines) <i>Comparison of Different Drying Techniques for Philippine Sandfish [Holothuria ((Metriatyla)) Scabra Jaeger]</i>

	11.05 a.m.	11.25 a.m.	<ul style="list-style-type: none"> • Ms. Ishari Nuwanthi Samarasinghe (Department of Aquaculture and Fisheries, Faculty of Livestock Fisheries and Nutrition, Wayamba University of Sri Lanka) <i>Production of Low Salted and Spice Enriched Goldstriped Sardinella Dried Fish</i> • Ms. Pavithra Ginigaddarage (Institute of Post-Harvest Technology, National Aquatic Resources Research & Development Agency, Sri Lanka) <i>Assessment of Safety of Oysters (Crassostrea Madrasensis) Harvested from Gangewadiya and Kandakuliya in Puttalam District</i> • Mr. H.M.S.M. Wijerathna (Department of Fisheries and Aquaculture, Faculty of Fisheries and Marine sciences & Technology, University of Ruhuna, Matara, Sri Lanka) <i>Production of Sauce from Mud Clam (Geloina Coaxans) Muscle as a Value Added Product</i> • Mr. H.S.A. Hettiarachchi (Department of Fisheries and Aquaculture, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, Matara, Sri Lanka) <i>Proximate Composition and Calcium Content of Thunnus Obesus (BIG EYE TUNA) Processing Wastes</i>
	11.25 a.m.	11.45 a.m.	
	11.45 a.m.	12.05 p.m.	
	12.05 p.m.	12.25 p.m.	
10.45 A.M. – 12.05 P.M.	10.45 a.m.	11.05 a.m.	<p style="text-align: center;">Salon Orchid</p> <p style="text-align: center;">TECHNICAL SESSION 05: AQUA FEED INGREDIENTS AND ADDITIVES</p> <p>Chaired by Prof (Dr.) H. Shivananda Murthy (Professor & Head, Department of Aquaculture at the Karnataka Veterinary & Fisheries Sciences University, College of Fisheries, Mangalore, India)</p> <ul style="list-style-type: none"> • Dr. Indra Suharman (Department of Aquaculture, Faculty of Fisheries and Marine Science University of Riau, Pekanbaru, Indonesia) <i>Utilization of Fermented Water Hyacinth (Eichhornia Crassipes) Meal as Feed Ingredients in the Diets of Freshwater Catfish Mystus Nemurus (C &V) Fingerlings</i> • Dr. Agus Kurnia (Department of Aquaculture, Faculty of Fisheries and Marine Science, Halu Oleo University, Indonesia) <i>Utilization of Telescopium Mussel Meal as an Alternative Protein Source in the Diet of Black Tiger Shrimp, Penaeus Monodon</i>
	11.05 a.m.	11.25 a.m.	

	11.25 a.m.	11.45 a.m.	<ul style="list-style-type: none"> • Ms. Mallawaarachchi M.A.J.C (National Aquatic Resources Research & Development Agency, Sri Lanka) <i>Growth and Survival of Seahorse Fry (Hippocampus Kuda) Using Two Different Live Feed</i> • Ms. M.H.S. Ariyaratne (National Aquatic Resources Research & Development Agency, Sri Lanka) <i>Aqua-Feed Based on Shrimp Waste Meal for the Growth Performance and Colour Enhancement of Gold Fish (Carassius Auratus)</i>
	11.45 a.m.	12.05 p.m.	
	12.25 p.m.	01.30 p.m.	Networking Lunch – Tulip Hall
1.30 P.M. – 03.10 P.M.			Anthurium Hall TECHNICAL SESSION 06: MICROBIOLOGY Chaired by Dr. M.F.M Fairoz (Academic Head of Collage of Fisheries and National Engineering, Ocean University, Tangalle, Sri Lanka)
	01.30 p.m.	01.50 p.m.	<ul style="list-style-type: none"> • Ms. Anusha Wickramasinghe (Aquatic Environment and Health Management Division, Central Institute of Fisheries Education, Mumbai, India) <i>Microbiology in Aquaculture</i>
	01.50 p.m.	02.10 p.m.	<ul style="list-style-type: none"> • Ms. Cherita Devi (Aqua Research Lab, Department of Zoology, University of Delhi, India) <i>Effect of Temperature on The Abundance of Ammonia Oxidizing Bacteria and Archaea in Recirculating Aquaculture System</i>
	02.10 p.m.	02.30 p.m.	<ul style="list-style-type: none"> • Mr. M. Zamri-saad (Faculty of Veterinary Medicine, Universiti Putra Malaysia, 43400 Serdang, Malaysia) <i>The Effect of Feed-Based Vaccine on Streptococcosis in Endemic Tilapia Farm</i>
	02.30 p.m.	02.50 p.m.	<ul style="list-style-type: none"> • Dr. Mohammad Noor Amal (Department of Biology, Faculty of Science, Universiti Putra Malaysia, Malaysia) <i>Water Quality Influences the Presence of Bacteria in Cage-Cultured Red Tilapia (Oreochromis Sp.)</i>
	02.50 p.m.	03.10 p.m.	<ul style="list-style-type: none"> • Dr. Natrah Ikhsan (Department of Aquaculture, Faculty of Agriculture, University Putra Malaysia, Malaysia) <i>Inhibition of Quorum Sensing from Bacteria Associated With Artemia</i>

01.30 P.M. – 03.10 P.M.	01.30 p.m.	01.50 p.m.	<p>Salon Orchid</p> <p>TECHNICAL SESSION 07: HEALTH AND DISEASE</p> <p>Chaired by Dr. K. Pani Prasad (Professor at Central Institute of Fisheries Education, India)</p> <ul style="list-style-type: none"> • Dr. D.P.N. De Silva (Department of Zoology, Faculty of Applied Sciences, University of Sri Jayewardenepura, Nugegoda, Sri Lanka) <i>First Record of Cestode Parasite Larvae Belong to Order: Trypanorhyncha Isolated from Sword Fish Captured in Sri Lanka</i> • Mr. K.V.D.H.R.Karawita (Department of Zoology and Environmental Management, University of Kelaniya, Sri Lanka) <i>Immunity Enhancement in Cultured Black Tiger Shrimp, Penaeus Monodon by Ethanol Extract of Prickly Chaff Flower, Achyranthes Aspera</i> • Dr. Ina Salwany Md Yasin (Department of Aquaculture, Faculty of Agriculture, University Putra Malaysia, Malaysia) <i>Antigenicity Analysis of Outer Membrane Proteins (OMPs) of Vibrio sp. Isolated from Diseased Tiger Grouper for Vaccine Development</i> • Dr. Murni Karim (Department of Aquaculture, Faculty of Agriculture, Universiti Putra Malaysia, 43400 Serdang, Selangor, Malaysia) <i>Evaluation of Local Probiotic Bacillus Sp. 124 as a Biocontrol Agent Against Pathogenic Vibrio Alginolyticus</i> • Dr. Sandra Catherine Zainathan (School of Fisheries and Aquaculture Sciences, University Malaysia Terengganu, Malaysia) <i>First Detection of Megalocytivirus in Oysters (Crassostrea Iredalei) and Mussels (Perna Viridis) from Marudu Bay, Sabah, Malaysia</i>
	01.50 p.m.	02.10 p.m.	
	02.10 p.m.	02.30 p.m.	
	02.30 p.m.	02.50 p.m.	
	02.50 p.m.	03.10 p.m.	

03.10 P.M. – 04.10 P.M.	03.10 p.m.	03.30 p.m.	<p>Anthurium Hall</p> <p>TECHNICAL SESSION 08: EDUCATION, FARM PRODUCTION AND CAGE CULTURE</p> <p>Chaired by Dr. M.F.M Fairoz (Acedemic Head of Collage of Fisheries and National Engineering, Ocean University, Tangalle, Sri Lanka)</p> <ul style="list-style-type: none"> • Mr. Ricky Gimin (Faculty of Marine Science and Fisheries, Nusa Cendana University, Indonesia) <i>Effects of Substrate Surface Area on Increasing Loading Capacity of Half-Drum Cages for Rearing the Abalone Haliotis Squamata in Coastal Area of West Timor-Indonesia</i> • Dr. Zafar Iqbal (Department of Zoology, University of the Punjab, Lahore. Pakistan) <i>Status of Fisheries and Aquaculture Education in University of the Punjab, Lahore. Pakistan</i> • Dr. Obasa Samuel Olubodun (Federal University of Agriculture, P M B 2240, Abeokuta, Nigeria) <i>Economics of Fish-Plantain Integrated Farm Enterprise in Southern Nigeria</i>
	03.30 p.m.	03.50 p.m.	
	03.50 p.m.	04.10 p.m.	
	04.10 p.m.	04.30 p.m.	
04.30 p.m.	04.50 p.m.	Conference Concluding Session	
04.50 p.m.	05.20 p.m.	Awarding Ceremony	
05.20 p.m.	05.30 p.m.	<p>Vote of thanks by the Conference Publicity Chair: Mr. Oshadee Withanawasam (Director- The International Institute of Knowledge Management (TIKM), Sri Lanka)</p>	
Day 03 : Thursday, 27th August 2015 - Post Conference Tour (Optional)			

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