



THE 8TH INTERNATIONAL CONFERENCE ON
**FISHERIES AND
AQUACULTURE**

" Managing Fisheries and Aquaculture
under New Normal Environment:
Issues, Challenges and Opportunities "

19TH – 20TH AUGUST 2021

Virtual Conference

CONFERENCE PROGRAM

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WELCOME TO THE MINISTRIES ENDORSED CONFERENCE**THE 8TH INTERNATIONAL CONFERENCE ON FISHERIES AND AQUACULTURE
(ICFA 2021)**

The International Institute of Knowledge Management (TIKM) takes the pleasure to welcome you all the 8th International Conference on Fisheries and Aquaculture (ICFA 2021). ICFA 2021 will be an innovative and informative Online International Conference reflecting the direction of Fisheries and Aquaculture by discussing the “Managing Fisheries and Aquaculture under New Normal Environment: Issues, Challenges and Opportunities”. We welcome you to this great knowledge sharing platform partnered by

- South – South Aquaculture and Fisheries Cooperation (SSAFC)
- Thermo Fisher Scientific
- Department of Fisheries Ministry of Agriculture and Cooperatives, Thailand
- Center for Fisheries Research, Ministry of Marine Affairs and Fisheries, Indonesia
- Mulawarman University, Indonesia
- University of Jember, Indonesia
- Khon Kaen University, Thailand
- The Faculty of Fisheries, Nong Lam University, Vietnam
- University of Lampung, Indonesia

We wish all the participants a very productive and meaningful conference!

CONFERENCE PROGRAM

DAY 01	TIME	HALL 01
Thursday, 19 th August 2021	10.00 – 10.30	Conference Registrations
	10.30 – 10.50	Welcome Address by the Conference Convener Mr. Isanka P. Gamage (<i>Co-Founder & Managing Director - The International Institute of Knowledge Management (TIKM), Sri Lanka</i>)
	10.50 – 11.00	Welcome Talk by the Co-Conference Chair Dr. Ravi Fotedar (<i>Curtin University, Australia</i>)
	11.00 – 11.10	Welcome Talk by the Co-Conference Chair Dr. Krishna R. Salin (<i>Asian Institute of Technology, Thailand</i>)
	11.10 – 11.20	Welcome Talk by the Co-Conference Chair Dr. Rohana Subasinghe (<i>Honorary Life Member of the World Aquaculture Society, Former President-Elect of the World Aquaculture Society – Asia Pacific Chapter (WAS-APC), Retired Chief of FAO Aquaculture Service, Managing Director, Future Fish, Sri Lanka</i>)
	11.20 – 11.30	Speech by the Supporting Ministry Dr. Taworn Thunjai (<i>Deputy Director General-Department Of Fisheries, Ministry of Agriculture And Cooperatives, Thailand</i>)
	11.30 – 11.40	Speech by the Supporting Ministry (<i>Center for Fisheries Research, Ministry of Marine Affairs And Fisheries, Indonesia</i>)
	11.40 – 11.50	Talk by the Academic Partner Prof. Dr. Ir. Mustofa Agung Sardjono (<i>Vice rector for Academic Affairs, Mulawarman University, Indonesia</i>)
	11.50 – 11.55	Conference Group Photograph
	11.55 – 12.00	Introduction to the "South-South Aquaculture and Fisheries Cooperation (SSAFC)"
12.00 – 12.30	Keynote Speech by Dr. Albert G.J. Tacon (<i>Technical Director – Aquahana LLC, USA</i>) "Recent Trends in Global Aquaculture and Aquafeed Production"	

	12.30 - 13.00	Keynote Speech by Prof. Dr. IR. Rokhmin Dahuri (<i>Advisor to the Minister of Marine Affairs and Fisheries, Research Institute, Bogor Agricultural University (IPB), Indonesia</i>) "Indonesia's New Approaches and Strategies to Develop Measurable and Sustainable Aquaculture Subsector Based on Research and Development"	
	13.00 - 13.20	"Power Boost" Break	
Thursday, 19 th August 2021	13.20 - 15.00	<p>SESSION 01: REBUILDING SMALL SCALE FISHERIES – I</p> <p>Comparison of Livelihood Vulnerability Risks and Perceptions towards Conservation Regime between Mariculture, Fishery, Ecotourism in Multi-Use MPA, Indonesia Albasri, Hatim¹, Sammut, Jesmond² (¹<i>Center for Fisheries Research, Ministry of Marine Affairs and Fisheries, Indonesia</i>, ²<i>The University of New South Wales, Australia</i>)</p> <p>Multiple Value Creation of Small-Scale Fishing Cooperatives Sonwabile Ngxiza (<i>University of Cape Town, South Africa</i>)</p> <p>The Effect of Climate Change on Small Scale Fishery Activities in the Swamp Area of Ogan Ilir, South Sumatera, Indonesia Fitrani, M, Aryani, D, Jubaedah, D (<i>Sriwijaya University, Indonesia</i>)</p> <p>Balancing The Acts: The Issues in Thai Labour Laws and Thai Fishery Supply Chain Arthon Prompatanapak¹, Dr. Kannapon Lopetcharat² (¹<i>Bangkok University, Thailand</i>, ²<i>Nouvea Centric Co., Ltd, Thailand</i>)</p> <p>The Relationship between the Domain of Behavior Occupational Health and Safety in Fishers to the Incidence of Work Accidents in Papuma Beach Area, Jember Regency, East Java, Indonesia Ilham KF, Taufan AO, Farida WN, Amirah Jihan LH (<i>University of Jember, Indonesia</i>)</p>	<p>SESSION 02: IDENTIFY OPPORTUNITIES FOR DEVELOPMENT – I</p> <p>Assessment of Tilapia-Freshwater Prawn Co-culture Schemes in Tanks and Lake-based Cages for Increased Farm Production Romana-Eguia MRR, Rutaquio M, Gutierrez R, Salayo ND (<i>Aquaculture Department (SEAFDEC/AQD) Binangonan Freshwater Station, Philippines</i>)</p> <p>Comparative Effectiveness of Locally Developed Packaging Materials with Imported Products for Marketing of Processed Fish Omodara M.A., Oyewole, S.N., Afolayan, S.S., Abel, G. I., Adeiza, A.A., Ogunjirin, O.C., Olayemi F.F., Olufemi, P. (<i>Nigerian Stored Products Research Institute, Nigeria</i>)</p> <p>Utilization of the Post-Production Oil and Gas Platform Sites for Offshore Aquaculture in the Java Sea: The Hydrodynamic Suitability Assessment Nugroho, D¹, Nugraha, RBA², Gusmawati, NF¹, Thesiana, L³, Radiarta, IN¹ (¹<i>Marine Research Center, AMFRHR, Ministry of Marine Affairs and Fisheries, Indonesia</i>, ²<i>DG of Marine Spatial Management, Ministry of Marine Affairs and Fisheries, Indonesia</i>, ³<i>Fisheries Research Center, AMFRHR, Ministry of Marine Affairs and Fisheries, Indonesia</i>)</p> <p>Digitalization of Seafood First Sales Markets as a Response to Covid-19 Costa, A., Soares, J., Salas-Leitón, E., Bordalo, A.A., Costa-Dias, S. (<i>University of Porto, Portugal</i>)</p> <p>Effect of Different Doses of Recombinant Growth Hormone and Fish Size on Growth Performance and Gonadal Development of Snakehead (<i>Channa striata</i>) at Juvenile Stage Sarida, M., Nabilah, N., Rahayu, N.S., Ramandita, A., Setiawan, W.A., Utomo, D.S.C., Harpeni, E. (<i>University of Lampung, Lampung, Indonesia</i>)</p>
		15.00 - 16.30	<p>Panel Discussion on "Policies for Developing and Managing Aquaculture: A Dialogue" Moderated by Dr. Rohana Subasinghe (<i>Former Chief of the Aquaculture Branch-FAO, Honorary Life Member of the World Aquaculture Society, Former President of the World Aquaculture Society – Asia Pacific Chapter (WAS-APC)</i>)</p> <p>Panelists</p> <ul style="list-style-type: none"> ❖ Mr. Nutthapong Wannapat (<i>Inland Aquaculture Expert, Inland Aquaculture Research and Development Division, Thailand</i>) ❖ Dr. Agbabiaka Lukman Adegoke (<i>National President of Fisheries Society of Nigeria (FISON), Regional Vice President, Non-State actors for ECOWAS and Mauritanian on Fisheries and Aquaculture</i>) ❖ Dr. Ir. Pamuji Lestari (<i>Expert Staff of The Minister for Marine Ecology and Resources, Ministry of Marine Affairs and Fisheries, Indonesia</i>) ❖ Dr. Yugraj Singh Yadava (<i>Director, Bay of Bengal Programme Inter-Governmental Organisation, India</i>) ❖ Mr. Dhammika Ranatunga (<i>Director General (Technical), Ministry of Fisheries, Sri Lanka</i>) ❖ Mr. Xinhua Yuan, PhD (<i>Senior Aquaculture Officer, Team Leader, Aquaculture Technology and Production Team (NFIAT), Fisheries and Aquaculture Division (NFI), Food and Agriculture Organization of the United Nations (FAO), Italy</i>)
	16.30 - 17.00	Meet & Mingle" – Networking Break	

	17.00 - 17.30	Plenary Speech by Dr. Bundit Yuangsoi (<i>Associate Professor, Khon Kaen University, Thailand</i>) "Road to Reform Aquafeed in Thailand for Sustainability"	
Thursday, 19th August 2021	17.30 – 19.00	<p align="center">SESSION 03: CHANGES IN FISH FOOD SYSTEM - FISH FEEDS AND FEEDING - I</p> <p>Effect of Various Doses of Fermented Herbal Extracts on Growth, Molting, and Feed Efficiency of Mud Crabs (<i>Scylla olivacea</i>) Cultivated in Ponds Fujaya Y, Aslamyah S, Rukminasari N, Darwis M, Achdiat M (<i>Hasanuddin University, Indonesia</i>)</p> <p>Screening and Identification of Potential Probiotics from <i>Penaeus</i> Shrimp Gut and Hepatopancreas: Towards Mitigating the Pathogenicity of <i>Vibrio parahaemolyticus</i> Wen Chian Tan, Kitt Yin Loke, Hok Chai Yam (<i>UCSI University, Malaysia</i>)</p> <p>Growth Performance and Nutrient Content <i>Kobia</i> Fish (<i>R.canadum</i>) larvae Fed fed different Combination of <i>Artemia</i> sp. and <i>Oithona</i> sp. Vivi Endar Herawati, Seto Windarto, Tita Elfitasari, Munti Sarida, Y.S. Darmanto, Slamet Budi Prayitno (<i>Diponegoro University, Indonesia</i>)</p> <p>Efficacy of β-1,3-Glucan and Vitamin C Supplementation in Pulse Feeding Program on Growth Performance during Nursery Juvenile Red Tilapia (<i>Oreochromis SPP.</i>) Swangdacharuk G.¹, Chumkam S.², Jintasataporn O.¹ (<i>Kasetsart University, Thailand, 2Valaya Alongkorn Rajabhat University under the Royal Patronage, Thailand</i>)</p>	<p align="center">SESSION 04: MANAGING AQUACULTURE WHILE KEEPING SAFE</p> <p>Gonad Development and Initial Spawning of Selected Third Generation Coral Trout (<i>Plectropomus leopardus</i>) Muzaki A, Yudha HT, Giri NA, Haryanti, Sembiring SBM (<i>Institute for Mariculture Research and Fisheries, Indonesia</i>)</p> <p>Phagocytic Process of the Head Kidney Leukocytes among Four European Perch, <i>Perca fluviatilis</i>, Populations T. Gebauer^{1,2}, A. Rebl², M. Verleih², V. Stejskal², T. Korytář¹ (¹<i>Institute of Aquaculture and Protection of Waters in Ceske Budejovice, Czech Republic</i>, ²<i>Leibniz Institute for Farm Animal Biology in Dummerstorf, Germany</i>)</p> <p>Control of Ectoparasites <i>Octolasmis</i> Sp in Young Lobsters (<i>Panulirus Horemus</i>) using $Kmno_4$ and Herbal Liquid Containing Tamarind Eggplant Rostika, R,Ihsan, Y. N, Supriadi, D, Permana, R, Purnama, M. I. C, Nurfaizi, R (<i>Universitas Padjadjaran , Indonesia</i>)</p> <p>Captive Breeding of <i>Channa gachua</i> (Dwarf Snakehead) by Environmental Manipulation Abeykoon H.M.N.M¹., Chandrarathna W.P.R.², Mihiran B.D.M.¹ (¹<i>University College of Anuradhapura, Sri Lanka</i>, ²<i>National Aquaculture Development Authority, Sri Lanka</i>)</p> <p>Identification of Risk Potentials of Degenerative Diseases among the Coastal Community in Jember and Banyuwangi District, East Java Province Noveyani AE, Artharini OM, Sari LD, Munfarisa A, Wahyuni YT, Sari YP (<i>Universitas Jember, Indonesia</i>)</p>
		19.00 – 19.30	Story Telling Session by Prof. Esti Handayani Hardi (<i>Head of Doctoral Program Department (Environmental Science), Mulawarman University, Indonesia</i>) "Research Activities as The Main Priority to Be a Young Professor: A New Fashion and Life Style of Lecturer"

DAY 02	TIME	HALL 01	HALL 02
Friday, 20th August 2021	07.30 – 09.10	<p>SESSION 05: ROLE OF GOVERNMENT AND ORGANIZATIONS IN AQUACULTURE</p> <p>A Study on Economic Ripple Effect and Small-Scale Mariculture Micro Data: An Insight of Current Evidence in Provinces of Bali and Lampung, Indonesia Firdaus M.^{1,2}, Hatanaka K.¹, Saville R.¹, Achmad Zamroni² (¹Tokyo University of Agriculture, Japan, ²Research Centre for Marine and Fisheries Socio-Economic, Indonesia)</p> <p>Issues and Challenges in Consumer Perception, Awareness and Acceptance of Aquaculture Products in Northern Peninsula Malaysia Chan N.W.¹, Samat N.¹, See K.F.² and Tan M.L.¹ (¹Universiti Sains Malaysia, Malaysia, ²Universiti Sains Malaysia, Malaysia)</p> <p>The Macro-Economic Impact of Investment in Aquaculture in South Africa Matekenya, W, Ncwadi, R (Nelson Mandela University, South Africa)</p> <p>The Effect of Fishing Regulations on Harvest Rates of Freshwater Fish Species in Central Europe Lyach R. (Institute for Evaluations and Social Analyses, Czech Republic)</p>	<p>SESSION 06: IDENTIFY OPPORTUNITIES FOR DEVELOPMENT – II</p> <p>Squid (<i>Loligo sp.</i>) Ink Powder Impact in Reducing Polymorphism and Muscle Breakdown of Whiteleg Shrimp (<i>Litopenaeus vannamei</i>) infected by Infectious Myo Necrosis Virus (IMNV) Mohamad Fadjar, Arning W. Ekawati, Rangga Idris affandi, M. Syarofudin, Aldi Candra Setiawan, Galih Laksita ADI. (University of Brawijaya, Indonesia)</p> <p>Utilization of Aquatic Plants to Improve the Water Quality and the Growth of Tilapia (<i>Oreochromis niloticus</i>) in the Post-Coal Mining Void Henny Pagoray, Ghitarina (Mulawarman University, Indonesia)</p> <p>In Vitro and In Vivo Assay of Silver Nanoparticle using Ethanolic Myrmecodia SP Extract against <i>Aeromonas hydrophila</i> in <i>Clarias gariepinus</i> Nugroho RA, Hindryawati N, Aryani R, Manurung H, Sari YP, Nurti DD, Vieraldi M, Rudianto, Prahastika W (Mulawarman University, Indonesia)</p> <p>Breeding Program Improvement for Growth Performance of Tilapia In Brackish Water Pond In Indonesia Setyawan, P^{1,2}, Aththar, MHF^{1,3}, Bastiaansen, J¹, Camara, M,¹ Komen, H¹ (¹Wageningen University and Research, Netherlands, ²Research Institute for Fish Breeding, Ministry of Marine Affairs and Fisheries, Indonesia, ³Research Institute for Freshwater Aquaculture and Fisheries Extension, Indonesia)</p> <p>Empowering Fish Farmers to Cope with he Challenges Of Covid-19 Pandemic: The Role Of Nspri Omodara M. A., Adegbola, J. A, Adetayo, O. A., Adeiza, A. O., Atibioko, A. O., Oyewole, S. N. and Pessu, P. O. (Nigerian Stored Products Research Institute, Nigeria)</p>
	09.20 – 10.20	<p>Publications Workshop by Prof. Bruce Glavovic (Massey University, New Zealand) "Publishing Your Research in the Journal Ocean & Coastal Management"</p>	
	10.20 – 10.30	<p>POSTER SESSION:</p> <p>3D Ultrastructural Investigation on WSSV-Infected Nucleus Revealed the Sequence of Virus Assembling in Red Swamp Crayfish (<i>Procambarus clarkii</i>) Yi-Fan Jiang (National Taiwan University, Taiwan)</p> <p>Small-Scale Fisheries Activity in the North-Western Region of Portugal during the Covid-19 Pandemic Costa, A.F., Salas-Leitón, E., Soares, J., Bordalo, A.A., Costa-Dias, S. (University of Porto, Portugal)</p>	
Friday, 20th August 2021	10.30 – 11.00	<p>Plenary Speech by Prof. Dr. Esti Handayani Hardi, S.Pi., M.Si (Head of Doctoral Program Department (Environmental Science), Mulawarman University, Indonesia) "Development of Plant Extract as a Natural Product in Shrimp Aquaculture : Antibacterial Function, Growth, Survival and Immunoprotection in the Shrimp (<i>Penaeus monodon</i>)"</p>	
	11.00 – 11.20	<p>"Meet & Mingle" – Networking Break</p>	
	11.20 - 13.20	<p>SESSION 07: CHANGES IN FISH FOOD SYSTEM - FISH FEEDS AND FEEDING - II</p> <p>Utilization of Cabbage as an Artificial Feed for Growth of Catfish (<i>Clarias gariepinus</i>) Komsanah Sukarti, Henny Pagoray, Andi Nikhlani (Mulawarman University, Indonesia)</p> <p>Effect of Organic Mineral Cocktail on Growth Performance of Hybrid Catfish (<i>Clarias gariepinus</i> × <i>Clarias macrocephalus</i>) Fed with Plant-based Diet</p>	<p>SESSION 08: PRECAUTIONARY MEASURES TO AVOID NEGATIVE EFFECTS - I</p> <p>A Study on Trigger Factor of Harmful Algal Blooms in Lampung Bay, Indonesia Saville R.1, Muawanah2, Shimojima H.¹, Hatanaka K.¹, Puspasari R.³ and Albasri H.³ (¹Tokyo University of Agriculture, Japan, ²Lampung Marine Aquaculture Development Center, Indonesia, ³Center for Fisheries Research, Indonesia)</p>

		<p>Lumlertdacha P.¹, Chumkam S², Jintasataporn O.¹ (¹Kasetsart University, Thailand, ²Valaya Alongkorn Rajabhat University Under the Royal Patronage, Thailand)</p> <p>In Silico Study of Haematococcus Pluvialis Biomarker Compound as Supplement to Fish Bone Remodelling Kusumawati D1,³, Widyarti S1, Maftuch1, Rahayu S1 (¹Brawijaya University, Indonesia, ²Brawijaya University, Indonesia, ³Institute for Mariculture Research and Fisheries Extension, Indonesia)</p> <p>In Vitro Digestibility of Shrimp Diet in Combination With Yeast Product Supplementation by Pacific White Shrimp (<i>Litopenaeus vannamei</i>) Digestive Enzyme Phatcharaphorn Janrot¹, Srinoy Chumkam², Orapint Jintasataporn¹ (¹Kasetsart University, Thailand, ²Valaya Alongkorn Rajabhat University under the Royal Patronage, Thailand)</p> <p>Effects of Different Levels of Crab Shell Inclusion on the Growth and Survival Performance of Mangrove Crab <i>Scylla serrata</i> (Forsk., 1775) Hairol MD¹ (<i>Southeast Asian Fisheries Development Center, Aquaculture Department (SEAFDEC/AQD), Philippines</i>)</p> <p>Effects of Potential Probiotic Bacteria on the Immune Response and Disease Resistance of Kelabau Fish (<i>Osteochilus melanopleurus</i>) against <i>Pseudomonas</i> sp. Infection Agustina A¹, Prayitno SB², Sabdono A², Saptiani G¹ (¹Mulawarman University, Indonesia, ²Diponegoro University, Indonesia)</p>	<p>Heavy Metal Levels in Blood Cockle from South Vietnam Tu N.P.C.¹, Ha N.N.², Dong N.V.³, Tri N.N.¹ (¹Nong Lam University, Vietnam, ²Nong Lam University, Vietnam, ³University of Science, Vietnam)</p> <p>Ecosystem Approach to Fisheries Management in Palabuhanratu Archipelago Fishing Port: Evaluation and Development Strategy Dita Agustian^{1,2}, Erri Noviar Megantara², Yudi Nurul Ihsan², M. Fani Cahyandito² (¹Siliwangi University, Indonesia, ²Padjajaran University, Indonesia)</p> <p>Macroplastic Composition and Abundance in Coastal Sediment of Muara Badak, East Kalimantan of Indonesia Ghitarina G, Eryati R, Mustakim M, Rafii A, Abdunnur A (<i>Mulawarman University, Indonesia</i>)</p>
	13.30 – 14.00	<p>Plenary Speech by Assoc. Prof. Dr. Nguyen Nhu Tri (<i>Nong Lam University, Vietnam</i>) "An Overview of Aquaculture Development in Vietnam"</p>	
	14.00 - 16.00	<p>SESSION 09: IDENTIFY OPPORTUNITIES FOR DEVELOPMENT – III</p> <p>Quality Characteristics of Catfish Dried in Nspri's Charcoal Powered Smoking Kiln Omodara M.A, Oyewole, S. N, Afolayan, S.S., Aina, J.A., Olaleye, O.O., Akinyera, O.A., Olayemi, F.F., Adetunji, C.O., Peters, O. (<i>Nigerian Stored Products Research Institute, Nigeria</i>)</p> <p>Evaluation of Growth Performance and Heterosis of The Srikandi Tilapia and Blue Tilapia Crossbred in the Brackishwater Pond Bambang Gunadi¹, Adam Robisalmi¹, Priadi Setyawan¹, Indra Pratama² (¹Research Institute for Fish Breeding, Indonesia, ²Research Center for Fisheries, Indonesia)</p> <p>Isolation, Identification and Molecular Typing of <i>Vibrio vulnificus</i> from Shrimp Farming System Kumar, Satendra ^{1, 2}, George, M.R.^{2, 3}, John, K.R.^{2, 3}, Jeyaseelan, M.J.P.² (¹Jawaharlal Nehru Agricultural University, India, ²Tamil Nadu Veterinary and Animal Sciences University, ³Kerala University of Fisheries and Ocean Studies, India)</p> <p>The Effect of Skim Milk on Viability and Abnormality of God's Fish, <i>Tor soro</i> Milt after Freezing Abinawanto¹, Elma Rizky Harjanti ², Otong Zaenal Arifin², Anang Hari Kristanto² (¹Faculty of Mathematics and Natural Sciences Universitas Indonesia, Indonesia, ²Installations for Freshwater Fish Genetic Resources, Ministry of Marine Affairs and Fisheries, Indonesia)</p> <p>Association of Biochemical Profile of Serum of Asian Catfish, <i>Clarias batrachus</i> with Physico-Chemical Parameters of Water in Its Breeding Habitats Under Natural Condition Kumar, Satendra ^{1, 2}, Dilip Kumar², S. Dasgupta², S. Datta², S.C. Mukherjee², A.K. Pal² (¹Jawaharlal Nehru Agricultural University, India, ²ICAR-Central Institute of Fisheries Education, India)</p>	<p>SESSION 10: REBUILDING SMALL-SCALE FISHERIES - II</p> <p>The Characteristics One Day Anchovy Fisheries in Pulo Lampes, North Coast of Central Java, Indonesia Duto Nugroho, Dian Oktaviani, Suryanto (<i>Center for Fisheries Research, Indonesia</i>)</p> <p>Constraints of Fisherwomen's Participation in Fisheries Cooperative Societies: A Case Study of Bargi Reservoir, Madhya Pradesh (India) Katre N.¹, Ojha S.N.¹, Sharma A.¹ (<i>Central Institute of Fisheries Education, India</i>)</p> <p>Role and Contribution of Small Scale Fishery in FMA 713, 714 and 715 to the National Level of Fishery Sonny Koeshendrajana, Hakim Miftakhul Huda, Rizky Aprilian Wijaya (<i>Center Research Institute for Marine and Fisheries Social and Economics, Indonesia</i>)</p> <p>Consumers' Consciousness and Willingness to Pay for Fishery Ecolabels. Results of an Italian Empirical Study Erica Varese, Anna Claudia Pellicelli, Luigi Bollani (<i>University of Turin, Italy</i>)</p>
Friday, 20th August 2021	16.00 – 16.10	<p>"Power Boost" Break</p>	

	16.10 – 17.00	Industrial Workshop by Prof. Andy Shinn (<i>Senior Technical Support Manager (Disease Management), INVE Aquaculture, Thailand</i>)	
	17.00 - 19.00	<p align="center">SESSION 11: CHANGES IN FISH FOOD SYSTEM - FISH FEEDS AND FEEDING – III</p> <p>The Optimal Dosage of Fermented Herbal Extract on Growth and Feed Efficiency of Tilapia Niloticus Fujaya Y, Hidayani AA, Sari D K, Aslamyah S, Rukminasari N, Muthalib A (<i>Hasanuddin University, Indonesia</i>)</p> <p>Key Mechanisms of Gut Health Promotion by Phytobiotic-Based Additive in Marine Fish (Part 1) W.G. Nuez-Ortín, R. Robles, A. Girons, R. Prendes (<i>Adisseo, Belgium</i>)</p> <p>Experimental and Field Validation of Health Promotion by Phytobiotic-Based Additive in Marine Fish (Part 2) M. Guerin, W.G. Nuez-Ortín, M. Mamora, M.M. Isern-Subich (<i>Adisseo Asia Pacific Pte. Ltd., Singapore</i>)</p> <p>Evaluation of Green Mussel <i>Perna viridis</i> Meal As A Feed Ingredient With Humic Acid Supplementation In Feed For Asian Seabass <i>Lates calcalifer</i> Aquaculture Rasidi ¹, Dedi Jusadi², Mia Setiawati², Munti Yuhana², Ketut Sugama¹ (¹<i>Aquaculture Division of Center Research for Fisheries, Indonesia</i>, ²<i>Bogor Agricultural University, Indonesia</i>)</p> <p>In Vitro Protein Digestibility, Saponin, and Trypsin Inhibitor Contained in White Shrimp Feed Supplement with Concentrated Bromelain Extracted from Pineapple Klahan Rungkan¹, Yuangsoi Bundit² Wiboonsirikul Jintana¹, Deewong Pinsurang³ (¹<i>Phetchaburi Rajabhat University, Thailand</i>, ²<i>Khon Kean University, Thailand</i>, ³<i>Kasetsart University, Thailand</i>)</p> <p>The Effectiveness of <i>Carica papaya</i>, <i>Ipomoea aquatica</i>, <i>Alpinia galanga</i> in Protecting Catfish Juvenile from Pathogens Gina SG Saptiani¹, EH Hardi¹, Agustina¹, S Anggarawati² (¹<i>Mulawarman University, Indonesia</i>, ²<i>Nusa Bangsa University, Indonesia</i>)</p>	<p align="center">SESSION 12: PRECAUTIONARY MEASURES TO AVOID NEGATIVE EFFECTS -II</p> <p>Transcriptomic Insight into the Melon Morphology of Toothed Whales for Aquatic Molecular Developments Senevirathna J.D.M1,³, Yonezawa R¹, Saka T¹, Igarashi Y², Funasaka N², Yoshitake K¹, Kinoshita S¹, Asakawa S¹ (¹<i>The University of Tokyo, Japan</i>, ²<i>Mie University, Japan</i>, ³<i>Uva Wellassa University, Sri Lanka</i>)</p> <p>The Relationship Of Nutritional Status Of Toddlers Based On Community Characteristics, Knowledge, Consumption Patterns, And Infective Diseases In The Getem Beach Area Aisyah TP, Farida WN, Taufan SO, Amalia RR, Andryana MF (<i>University of Jember, Indonesia</i>)</p> <p>Study of Impact of Climate Change on the Normalized Differential Vegetation Index in Northern Sri Lanka Fernando MMSSM, Wickramasinghe D, Halwatura D (<i>University of Colombo, Sri Lanka</i>)</p> <p>The Quality of Mud Clam (<i>Polymesoda Erosa</i>) from Indonesian Beach: Study of Cd Heavy Metal Content in Tratas Beach, Muncar District, Banyuwangi Regency, Indonesia Prehatin Trirahayu Ningrum, Isa Ma'rufi, Swara Mega (<i>University of Jember, Indonesia</i>)</p>
	19.00 – 19.30	Plenary Speech by Dr. Romi Novriadi (<i>Director of World Aquaculture Society – Asian Pacific Chapter, Vice President of Indonesia Aquaculture Society</i>) "The Development of Sustainable and Functional Feed for Shrimp Production System"	
Friday, 20th August 2021	19.30 – 20.00	Plenary Speech by Dr. Yudha Trinoegraha Adiputra (<i>University of Lampung, Indonesia</i>) "Recent Technology on Spiny Lobster Mariculture"	
	20.00 – 20.30	Conference Closure and Awarding Ceremony	

RESOURCE PERSONS

Dr. Krishna R. Salin - Conference Co-Chair

Dr. Ravi Fotedar - Conference Co-Chair

Dr. Rohana Subasinghe - Conference Co-Chair

Dr. Albert G.J. Tacon - Conference Co-Chair & Keynote Speaker

Prof. Dr. Ir. Rokhmin Dahari - Keynote Speaker

Prof. Dr. Esti Handayani Hardi - Plenary Speaker

Dr. Bundit Yuangsoi - Plenary Speaker

Dr. Yudha Trinoegraha Adiputra - Plenary Speaker

Assoc. Prof. Dr. Nguyen Nhu Tri - Plenary Speaker

Dr. Romi Novriadi - Plenary Speaker

Mr. Nutthapong Wannapat – Policy Making Dialogue Panelist

Dr. Agbabiaka Lukman Adegoke - Policy Making Dialogue Panelist

Dr. Ir. Pamuji Lestari - Policy Making Dialogue Panelist

Dr. Yugraj Singh Yadava - Policy Making Dialogue Panelist

Mr. Dhammika Ranatunga - Policy Making Dialogue Panelist

Mr. Xinhua Yuan, PhD - Policy Making Dialogue Panelist

Prof. Bruce Glavovic – Publication Workshop Moderator

Prof. Andy Shinn – Industrial Workshop Moderator

ORGANIZING COMMITTEE OF ICFA 2021

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Mr. Pirathap Subendran - Executive - Digital Marketing



THE SOUTH-SOUTH AQUACULTURE AND FISHERIES COOPERATION

The aim of “The South-South Aquaculture and Fisheries Cooperation” will act as the main body amalgamating Asian and African countries in one platform via fruitful cooperation. In an effort of “Rising Africa” via Asian region SSAFC will ensure the transferring of Asian aquaculture experience and know-how to the African region. Thus, the Asian network will continually support the African region for the exchange of knowledge via wide array of annual activities including workshops, webinars, policy debates, expos as well as learning from each other physically as well as virtually.

VISION

“Bridging the Aquaculture and Fisheries Gap between Asian – African Countries via improved Cooperation”

WEBSITE

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