

## Scientific Program

International Conference on

# Aquaculture & Fisheries

July 20-22, 2015 Brisbane, Australia



**OMICS International Conferences**

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## Quay 2



09:00-09:30

## Opening Ceremony

## Keynote Forum

09:30-09:35 Introduction

Networking &amp; Refreshments 09:35-09:50

09:50-10:20 **Niels O G Jorgensen**  
University of Copenhagen, Denmark

10:20-10:50 **Kirsten Heimann**  
James Cook University, Australia

Group Photo 10:50-10:55

Quay 2

Track 1: Aquatic Ecosystem and Aqua Farming Methods

Track 3: Comparative Biology of Aquatic Species

Track 4: Aquaculture and Biosystem Research

Track 9: Aquatic Immunology

Track 10: Aquatic Physiology

Track 14: Aquatic Toxicology

Chair: W Lindsey White, Auckland University of Technology, New Zealand

Co-chair: Werner Kloas, Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Germany

Session Introduction

10:55-11:15 **Title: World seaweed utilization: A summary**  
W Lindsey White, Auckland University of Technology, New Zealand

11:15-11:35 **Title: A new concept for aquaponic systems to improve sustainability, increase productivity, and reduce environmental impacts**  
Werner Kloas, Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Germany

11:35-11:55 **Title: Tasmanian salmonid aquaculture: Historical perspectives and future drivers of research in physiology and nutrition**  
Chris G Carter, University of Tasmania, Australia

11:55-12:15 **Title: Sensorial and skeletal ontogenesis: A useful tool for the optimization of larval rearing of new candidate species for aquaculture**  
Clara Boggione, University of Rome Tor Vergata, Italy

12:15-12:35 **Title: Orange gills in *Litopenaeus stylirostris* : A new phenomenon in caledonian shrimp ponds**  
Nelly Wabete, IFREMER, New Caledonia

12:35-12:55 **Title: Ornamental aquatic plants industry in Sri Lanka with special reference to constraints for booming**  
Shyamalie D Senadheera, Ocean University of Sri Lanka, Sri Lanka

Lunch Break 12:55-13:55

13:55-14:15 **Title: Life cycle of a benthic harpacticoid, *Amphiascoides neglectus* Lang, 1965 in laboratory condition and effect of some environmental factors on the population growth**  
Zaleha Kassim, International Islamic University, Malaysia

14:15-14:35 **Title: Polyculture of freshwater *Clambatissa violacea* and genetically improved farmed tilapia (GIFT) *Oreochromis niloticus***  
Eunice A Layugan, Cagayan State University, Philippines

14:35-14:55 **Title: Rotational culture of the sea cucumber *Holothuria scabra* with the shrimp *Litopenaeus stylirostris*: Trade-off between growth performance and bioremediation, comparison with shrimp monoculture**  
Sébastien Hochard, IFREMER, New Caledonia

14:55-15:15 **Title: Prospects of aquaculture development along the persian gulf coast of United Arab Emirates: Transfer of australian aquaculture technologies to middle east**  
Muhammad Naeem Khan, University of the Punjab, Pakistan

15:15-15:35 **Title: The quantitative trace level analysis of heavy metals through inductively coupled plasma-optical emission spectrophotometer in fish samples collected from fresh water aquaculture**  
Kashifa Nagma Waheed, Fisheries Research & Training Institute, Pakistan

15:35-15:55 **Title: Reproductive analysis of Indus mahseer *Tor macrolepis* (Heckel, 1838) (Teleostei: Cyprinidae)**  
Khalid Pervaiz, Fisheries Research & Training Institute, Pakistan

15:55-16:15 **Title: A new record of Squat lobster *munida curvipes benedict*, 1902 (Crustacea: Decapoda: Galatheididae), off Thoothukudi coast of Gulf of Mannar, India**  
Vaitheeswaran Thiruvengadam, Rarbio Energies Private Limited, India

Networking &amp; Refreshments 16:15-16:30

## Keynote Forum

- 09:00-09:25** **Roel H Bosma**  
Wageningen University, Netherlands
- 09:25-09:50** **Osman Samsun**  
Sinop University, Turkey

Networking &amp; Refreshments 09:50 - 10:05

Poster Session: 10:40-12:00

Quay 2

Track 2: Fish Habitat Ecology and Conservation  
Track 4: Aquaculture and Biosystem Research  
Track 5: Aquatic Organism's Byproducts and Their Applications  
Track 7: Zebra Fish: A Biological Model Organism  
Track 8: Diversification in Aquaculture  
Chair: Kirsten Heimann, James Cook University, Australia  
Co-chair: Chaoshu Zeng, James Cook University, Australia

Session Introduction

- 10:05-10:25** **Title: Embryonic learning of chemical cues via the parents host in Anemonefish (*Amphiprion ocellaris*)**  
**Kazuko Miyagawa Kohshima**, Wildlife Research Center of Kyoto University, Japan
- 10:25-10:45** **Title: The role of the sediment in the functioning of semi-intensive shrimp pond ecosystem: Focus on the benthic primary production**  
**Sébastien Hochard**, ADECAL Technopole, New Caledonia
- 10:45-11:05** **Title: Growth and biochemical responses to dietary starch and protein levels in Nile tilapia (*Oreochromis niloticus*)**  
**Jidan Ye**, Fisheries College of Jimei University, China
- 11:05-11:25** **Title: Increasing yield by managing aquatic microbiological communities**  
**Mike Moore**, Keeton Industries Inc., USA
- 11:25-11:45** **Title: The new method of seaweed cultivation in Indonesia**  
**Maruf Kasim**, Universitas Halu Oleo, Indonesia
- 11:45-12:05** **Title: Effects of live tubificid worms on growth performance and survival of stinging catfish, *Heteropneustes fossilis* (Bloch, 1794)**  
**Anwar Hossain**, University of Dhaka, Bangladesh
- 12:05-12:25** **Title: Photoperiodism in the somatic growth and gonad production and quality of the sea urchin *Tripneustes gratilla***  
**Facundo B Asia**, Mariano Marcos State University, Philippines
- 12:25-12:45** **Title: Pesticide residues in aquatic organisms: Fish and frog**  
**K S Tilak**, Acharya Nagarjuna University, India
- 12:45-13:05** **Title: Comparison of *Nannochloropsis* sp. cultivated in photobioreactor and open raceway pond**  
**Mujizat Kawaroe**, Bogor Agricultural University, Indonesia

Lunch Break 13:05-14:05

- 14:05-14:25** **Title: Documentation and inventory of aramang stocks *N. tenuipes* in northern Cagayan, Philippines**  
**Lenimfa P Molina**, Cagayan State University, Philippines
- 14:25-14:45** **Title: Influence of *Lactobacillus acidophilus* supplementation on digestive enzyme activities, gut histomorphology and microflora of striped catfish (*Pangasianodon hypophthalmus* Sauvage, 1878) juveniles**  
**Mst Nahid Akter**, Universiti Sains Malaysia, Malaysia
- 14:45-15:05** **Title: Toxicity and other effects of pesticides to fresh water fishes**  
**K S Tilak**, Acharya Nagarjuna University, India

Networking &amp; Refreshments 15:05-15:20

## Young Researcher Forum

Young Researcher Forum Session Judges

Judge 1: Roel H Bosma, Wageningen University, Netherlands  
Judge 2: Niels O G Jorgensen, University of Copenhagen, Denmark  
Judge 3: Osman Samsun, Sinop University, Turkey

- 15:20-15:35** **Title: Parasitism in yellowtail Kingfish in Port Lincoln**  
**Nastaran Mazloumi**, University of Adelaide, Australia
- 15:35-15:50** **Title: Patenting genetic material in aquaculture: a red herring or an emerging issue to tackle?**  
**Fran Humphries**, Griffith University, Australia
- 15:50-16:05** **Title: Potential efficacy of nanodelivery of DNA vaccine using chitosan nanoparticles against *Edwardsiella tarda***  
**Sajal Kole**, Central Institute of Fisheries Education (CIFE), India
- 16:05-16:20** **Title: The cultivation of red seaweed (*Rhodophytes*, *Kappaphycus* sp.) in raceway culture system**  
**Wahidatul Husna Zuldin**, Universiti Malaysia Sabah, Malaysia
- 16:20-16:35** **Title: Determination of the antioxidant activity of some common seaweeds in Sri Lanka**  
**Surendra Isiri Hiranyada Wickrama**, Rajarata University of Sri Lanka, Sri Lanka
- 16:35-16:50** **Title: Use of vegetable waste as sole feed in the diet of rohu fingerlings (*Labeo rohita*)**  
**Fawad Aziz**, Quaid-i-Azam University, Pakistan
- 16:50-17:05** **Title: Development of ready to serve restructured surimi product from minced meat of Leather Jacket (*Triacanthus brevirostrus*)**  
**K Hema**, Tamilnadu Fisheries University, India



17:05-17:20	<b>Title: Expression profiles of two downstream signalling molecules of Toll-pathway in Tiger shrimp (<i>Penaeus monodon</i>), Cactus and Dorsal genes in response to infection with white spot syndrome virus and <i>Vibrio harveyi</i></b> Deepika Anand, Central Institute of Fisheries Education (CIFE), India
17:20-17:35	<b>Title: Sulfated polysaccharide from <i>Sargassum</i> spp. in Bolinao, Pangasinan, Philippines</b> Nieva J A, The Marine Science Institute, Malaysia
17:35-17:50	<b>Title: Mesozooplankton's diversity and distribution between Cape Blanc (21°N) and Cape Boujdor (26°N): Moroccan Atlantic Coast</b> Laila El Arraj, University Hassan II of Casablanca, Morocco
17:50-18:05	<b>Title: Some culture management indices affecting on great Sturgeon (<i>Huso huso</i>) production in the caspian sea region, I.R of Iran</b> Elham Maghsoudloo, Sturgeon Fish Co., Iran
18:05-18:20	<b>Title: Characterization and comparison of genetic strains in Clariid species and <i>Clarias gariepinus</i> using microsatellite markers in the African and aborigines regions</b> Bashiru Ayobami Ismaila, University of Lagos, Nigeria

Day 3 July 22, 2015	
Quay 2	
Special Session on Aquaculture Law and Policy	
Chair: David Vander Zwaag, Dalhousie University, Canada	
Co-chair: Katherine Hawes, Aquarius Lawyers, Australia	
Session Introduction	
09:00-09:20	<b>Title: Towards sustainable aquaculture: Navigating international law and policy currents</b> David Vander Zwaag, Dalhousie University, Canada
09:20-09:40	<b>Title: Non-compliance with international laws and why you need to know this in order to grow your business</b> Katherine Hawes, Aquarius Lawyers, Australia
09:40-10:00	<b>Title: Australian aquaculture governance</b> Marcus Haward, University of Tasmania, Australia
Networking & Refreshments 10:00 - 10:15	
10:15-10:35	<b>Title: New Zealand's aquaculture law and policy framework</b> Karen N Scott, Australian and New Zealand Society of International Law, New Zealand
10:35-10:55	<b>Title: Regional governance of the relation between aquaculture and wild salmon in the north Atlantic</b> Irene Dahl, Arctic University of Norway, Norway
10:55-11:15	<b>Title: Governance of aquaculture in Canada: Regulation, property rights and constitutional impediments</b> Phillip Saunders, Dalhousie University, Canada
Track 6: Aquaculture Related Diseases and Health Management	
Track 11: Ethical and Emerging Issues in Aquaculture Development	
Track 12: Aquaculture Environment Interactions – Measuring, Modelling and Mitigation	
Chair: Chaoshu Zeng, James Cook University, Australia	
Co-chair: Prathapachandra Shetty, Emirates Star Fisheries, UAE	
Session Introduction	
11:15-11:35	<b>Title: Deciphering the epidemiology of Three Myxozoan parasites (Myxosporea: Myxobolidae) isolated from wild African sharptooth catfish, <i>Clarias gariepinus</i></b> Hany M R Abdel Latif, Alexandria University, Egypt
12:35-11:55	<b>Title: Possibility of disease control by ambient dissolved oxygen level</b> Masashi Maita, Tokyo University of Marine Science and Technology, Japan
11:55-12:15	<b>Title: Novel media for the culture of the salmonid pathogen <i>Piscirickettsia salmonis</i> and their biotechnological uses in the salmon industry</b> Alejandro J Yanez Carcamo, Universidad Austral de Chile, Chile
12:15-12:35	<b>Title: Designing Indonesia fish logistics system with based on central Sulawesi resource</b> Mohammad Nofal, Tadulako University, Indonesia
12:35-12:55	<b>Title: Assessment of some plant products for the control of smoked fish pest, <i>Dermestes maculatus</i> degeer (Coleoptera: Dermestidae) in <i>Clarias gariepinus burchell</i> (Pisces: Clariidae)</b> Felix Olusegun Akinwumi, Adekunle Ajasin University, Nigeria
Lunch Break 12:55 - 13:55	
13:55-14:15	<b>Title: Comparative transcriptomic studies on food intake regulation in mandarin fish and grass carp</b> Xu-Fang Liang, Huazhong Agricultural University, China
14:15-14:35	<b>Title: Microbial load of fresh water snail (<i>Pila ovata</i>) from Nembe Creek, Niger delta, Nigeria</b> Ogheneughwe Akise, Federal University, Nigeria
14:35-14:55	<b>Title: Effect of water temperature management on the hatching rate and larvae production of white leg shrimp (<i>Litopenaeus vannamei</i>) in shrimp hatcheries of Sistan &amp; Baluchistan province, South-east of Iran</b> Javad Ghasemzadeh, Chabahar Maritime University, Iran
14:55-15:15	<b>Title: The improvement of intensive culture system technology on Mud crab using different dosage of artificial feeds on lipid source of the growth and survival rate</b> Istiyanto Samidjan, Diponegoro University, Indonesia
15:15-15:35	<b>Title: Iran seafood marketing challenges</b> Babataher Alizadeh, Fisheries & Co., Iran
Award Ceremony 15:35 - 15:45	
Networking & Refreshments 15:45 - 16:00	