Day 1  July 20, 2015

08:30 - 09:00  Registrations

Quay 2

09:00-09:30  Opening Ceremony

Keynote Forum

09:30-09:35  Introduction

Networking & 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
Claia Boglione, 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 Liptopenaeus 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 Naghma 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: Galatheidae), off Thoothukudi coast of Gulf of Mannar, India
Vaitheeswaran Thiruvengadam, Rarbio Energies Private Limited, India

Networking & Refreshments 16:15-16:30
### Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>09:00-09:25</td>
<td>Roel H Bosma</td>
<td>Wageningen University, Netherlands</td>
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<tr>
<td>09:25-09:50</td>
<td>Osman Samsun</td>
<td>Sinop University, Turkey</td>
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### Networking & 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**

<table>
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<tr>
<td>10:05-10:25</td>
<td>Title: Embryonic learning of chemical cues via the parents host in Anemonefish (<em>Amphiprion ocellaris</em>)</td>
<td>Kazuko Miyagawa Kohshima</td>
<td>Wildlife Research Center of Kyoto University, Japan</td>
</tr>
<tr>
<td>10:25-10:45</td>
<td>Title: The role of the sediment in the functioning of semi-intensive shrimp pond ecosystem: Focus on the bentic primary production</td>
<td>Sébastien Hochard</td>
<td>ADECAL Technopole, New Caledonia</td>
</tr>
<tr>
<td>10:45-11:05</td>
<td>Title: Growth and biochemical responses to dietary starch and protein levels in Nile tilapia (<em>Oreochromis niloticus</em>)</td>
<td>Jidan Ye</td>
<td>Fisheries College of Jimei University, China</td>
</tr>
<tr>
<td>11:05-11:25</td>
<td>Title: Increasing yield by managing aquatic microbiological communities</td>
<td>Mike Moore</td>
<td>Keeton Industries Inc., USA</td>
</tr>
<tr>
<td>11:25-11:45</td>
<td>Title: The new method of seaweed cultivation in Indonesia</td>
<td>Maruf Kasim</td>
<td>Universitas Halu Oleo, Indonesia</td>
</tr>
<tr>
<td>11:45-12:05</td>
<td>Title: Effects of live tubificid worms on growth performance and survival of stinging catfish, <em>Heteropneustes fossilis</em> (<em>Bloch, 1794</em>)</td>
<td>Anwar Hossain</td>
<td>University of Dhaka, Bangladesh</td>
</tr>
<tr>
<td>12:05-12:25</td>
<td>Title: Photoperiodism in the somatic growth and gonad production and quality of the sea urchin <em>Tripneustes gratilla</em></td>
<td>Facundo B Asia</td>
<td>Mariano Marcos State University, Philippines</td>
</tr>
<tr>
<td>12:25-12:45</td>
<td>Title: Pesticide residues in aquatic organisms: Fish and frog</td>
<td>K S Tilak</td>
<td>Acharya Nagarjuna University, India</td>
</tr>
<tr>
<td>12:45-13:05</td>
<td>Title: Comparison of <em>Nannochloropsis</em> sp. cultivated in photobioreactor and open raceway pond</td>
<td>Mujizat Kawaroe</td>
<td>Bogor Agricultural University, Indonesia</td>
</tr>
<tr>
<td>13:05-14:05</td>
<td>Lunch Break</td>
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<tr>
<td>14:05-14:25</td>
<td>Title: Documentation and inventory of aramang stocks <em>N. tenuipes</em> in northern Cagayan, Philippines</td>
<td>Lenimfa P Molina</td>
<td>Cagayan State University, Philippines</td>
</tr>
<tr>
<td>14:25-14:45</td>
<td>Title: Influence of <em>Lactobacillus acidophilus</em> supplementation on digestive enzyme activities, gut histomorphology and microflora of striped catfish (<em>Pangasianodon hypophthalmus Sauvage, 1878</em>) juveniles</td>
<td>Mst Nahid Akter</td>
<td>Universiti Sains Malaysia, Malaysia</td>
</tr>
<tr>
<td>14:45-15:05</td>
<td>Title: Toxicity and other effects of pesticides to fresh water fishes</td>
<td>K S Tilak</td>
<td>Acharya Nagarjuna University, India</td>
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</tbody>
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#### Lunch Break 13:05-14:05

**Networking & 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

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<tr>
<td>15:20-15:35</td>
<td>Title: Parasitism in yellowtail Kingfish in Port Lincoln</td>
<td>Nastaran Mazloumi</td>
<td>University of Adelaide, Australia</td>
</tr>
<tr>
<td>15:35-15:50</td>
<td>Title: Patenting genetic material in aquaculture: a red herring or an emerging issue to tackle?</td>
<td>Fran Humphries</td>
<td>Griffith University, Australia</td>
</tr>
<tr>
<td>15:50-16:05</td>
<td>Title: Potential efficacy of nanodelivery of DNA vaccine using chitosan nanoparticles against <em>Edwardsiella tarda</em></td>
<td>Sajal Kole</td>
<td>Central Institute of Fisheries Education (CIFE), India</td>
</tr>
<tr>
<td>16:05-16:20</td>
<td>Title: The cultivation of red seaweed (<em>Rhodophytes, Kappaphycus sp.</em>) in raceway culture system</td>
<td>Wahidatul Husna Zuldin</td>
<td>Universiti Malaysia Sabah, Malaysia</td>
</tr>
<tr>
<td>16:20-16:35</td>
<td>Title: Determination of the antioxidant activity of some common seaweeds in Sri Lanka</td>
<td>Surendra Isiri Hiranayda Wickrama</td>
<td>Rajarata University of Sri Lanka, Sri Lanka</td>
</tr>
<tr>
<td>16:35-16:50</td>
<td>Title: Use of vegetable waste as sole feed in the diet of rohu fingerlings (<em>Labeo rohita</em>)</td>
<td>Fawad Aziz</td>
<td>Quaid-i-Azam University, Pakistan</td>
</tr>
<tr>
<td>16:50-17:05</td>
<td>Title: Development of ready to serve restructured surimi product from minced meat of Leather Jacket (<em>Triacanthus brevirostus</em>)</td>
<td>K Hema</td>
<td>Tamilnadu Fisheries University, India</td>
</tr>
</tbody>
</table>
Title: Expression profiles of two downstream signalling molecules of Toll-pathway in Tiger shrimp (*Penaeus monodon*), Cactus and Dorsal genes in response to infection with white spot syndrome virus and *Vibrio harveyi*

Deepika Anand, Central Institute of Fisheries Education (CIFE), India

Title: Sulfated polysaccharide from Sargassum spp. in Bolinao, Pangasinan, Philippines

Nieves J A, The Marine Science Institute, Malaysia

Title: Mesozooplankton's diversity and distribution between Cape Blanc (21°N) and Cape Boujdor (26°N): Moroccan Atlantic Coast

Laila El Arraj, University Hassan II of Casablanca, Morocco

Title: Some culture management indices affecting on great Sturgeon (*Huso huso*) production in the caspian sea region, I.R of Iran

Elham Maghsoudloo, Sturgeon Fish Co., Iran

Title: Characterization and comparison of genetic strains in Clariid species and *Clarias gariepinus* using microsatellite markers in the African and aborigines regions

Bashiru Ayobami Ismaila, University of Lagos, Nigeria

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**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

Title: Towards sustainable aquaculture: Navigating international law and policy currents

David Vander Zwaag, Dalhousie University, Canada

09:20-09:40

Title: Non-compliance with international laws and why you need to know this in order to grow your businesses

Katherine Hawes, Aquarius Lawyers, Australia

09:40-10:00

Title: Australian aquaculture governance

Marcus Haward, University of Tasmania, Australia

**Networking & Refreshments 10:00 - 10:15**

10:15-10:35

Title: New Zealand's aquaculture law and policy framework

Karen N Scott, Australian and New Zealand Society of International Law, New Zealand

10:35-10:55

Title: Regional governance of the relation between aquaculture and wild salmon in the north Atlantic

Irene Dahl, Arctic University of Norway, Norway

10:55-11:15

Title: Governance of aquaculture in Canada: Regulation, property rights and constitutional impediments

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

Title: Deciphering the epidemiology of Three Myxozoan parasites (*Myxosporea: Myxobolidae*) isolated from wild African sharptooth catfish, *Clarias gariepinus*

Hany M R Abdel Latif, Alexandria University, Egypt

12:35-12:55

Title: Possibility of disease control by ambient dissolved oxygen level

Masashi Maita, Tokyo University of Marine Science and Technology, Japan

11:55-12:15

Title: Novel media for the culture of the salmonid pathogen *Piscirickettsia salmonis* and their biotechnological uses in the salmon industry

Alejandro J Yanez Carcamo, Universidad Austral de Chile, Chile

12:15-12:35

Title: Designing indonesian fish livestock system with based on central Sulawesi resource

Mohammad Nofal, Tadulako University, Indonesia

12:35-12:55

Title: Assessment of some plant products for the control of smoked fish pest, *Dermestes maculatus* degeeer (*Coleoptera: Dermestidae*) in *Clariasgariepinus burchell* (*Pisces: Clariidae*)

Felix Olusegun Akinwumi, Adekunle Ajasin University, Nigeria

**Lunch Break 12:55 - 13:55**

13:55-14:15

Title: Comparative transcriptomic studies on food intake regulation in mandarin fish and grass carp

Xu-Fang Liang, Huazhong Agricultural University, China

14:15-14:35

Title: Microbial load of fresh water snail (*Pila ovata*) from Nembe Creek, Niger delta, Nigeria

Ogheneughwe Akise, Federal University, Nigeria

14:35-14:55

Title: Effect of water temperature management on the hatching rate and larvae production of white leg shrimp (*Litopenaeus vannamei*) in shrimp hatcheries of Sistan & Baluchistan province, South-east of Iran

Javad Ghasezmzadeh, Chabahar Maritime University, Iran

14:55-15:15

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

Istiyanto Samidjan, Diponegoro University, Indonesia

15:15-15:35

Title: Iran seafood marketing challenges

Babataher Alizadeh, Fisheries & Co., Iran

**Award Ceremony** 15:35 - 15:45

**Networking & Refreshments 15:45 - 16:00**