The 4th International Conference on Fisheries and Aquaculture 2017
“Depletion of Aquatic Biodiversity and Aquaculture as a Decisive Remedy.”

TECHNICAL PROGRAM

DAY 01 - THURSDAY, 24TH AUGUST 2017

INAUGURATION SESSION

Thursday, 24th August 2017 | 08.00 to 09.45 (Gregory Hall)

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<tr>
<td>08.00 – 09.00</td>
<td>Conference Registration</td>
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<tr>
<td>09.00 – 09.15</td>
<td>Lighting of the Oil lamp and National Anthem</td>
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<tr>
<td>09.15 – 09.25</td>
<td>Welcome Address by the Program Chair</td>
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<tr>
<td></td>
<td>Mr. Isanka P. Gamage (Co-Founder &amp; Managing Director - The International Institute of Knowledge Management (TIKMK), Sri Lanka)</td>
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<tr>
<td>09.25 – 09.45</td>
<td>Speech by the Conference Chair</td>
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<td>Dr. Saman Bandara Athauda (Department of Animal Science, Faculty of Agriculture, University of Peradeniya, Sri Lanka)</td>
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<tr>
<td>09.45 – 10.00</td>
<td>Conference Photograph</td>
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<tr>
<td>10.00 – 10.30</td>
<td>Morning Refreshments</td>
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KEYNOTE FORUM

Thursday, 24th August 2017 | 10.30 to 11.10 (Gregory Hall)

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10.30 – 11.10</td>
<td>&quot;Feeding the World in 2030: the Role of Fish&quot; by Mr. Rohana Subasinghe (Retired Chief of FAO Aquaculture Service, Managing Director, ICONIC, Sri Lanka)</td>
</tr>
</tbody>
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TECHNICAL SESSION 01: CLIMATE CHANGE & AQUATIC BIODIVERSITY

Chaired by Assoc.Prof.Dr. Patchara Pedpradab (Trang Campus, Thailand)
Thursday, 24th August 2017 | 11.10 to 12.50 (Gregory Hall)

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11.10 – 11.30</td>
<td>Biodiversity and Spatial Distribution of Molluscs (Gastropods and Bivalves) in Tangerang Coastal Water, Indonesia</td>
</tr>
<tr>
<td></td>
<td>Asep Sahidin¹, Yusli Wardiatno², Zahidah¹, Yayat Dhahiyan¹ (¹Padjadjaran University, Indonesia, ²Bogor Agricultural University, Indonesia)</td>
</tr>
<tr>
<td>11.30 – 11.50</td>
<td>Variations in Water Quality Conditions and Functional Habitats in Negombo Lagoon with Special Reference to Seabass Cage Culture Practice</td>
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<tr>
<td></td>
<td>M. Gammanpila¹, D. D. L. Dahanayaka², V. Pahalawattaarachchi¹, H. M. P. Kithsiri¹ (¹National Aquatic Resources Research and Development Agency, Sri Lanka, ²Open University of Sri Lanka, Sri Lanka)</td>
</tr>
<tr>
<td>11.50 – 12.10</td>
<td>Baseline Survey on Species Diversity and Abundance of Reef Fishes Inhabiting Diyabagala Reef at Off Negombo Coast in Sri Lanka</td>
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</table>
**The 4th International Conference on Fisheries and Aquaculture 2017**


“Depletion of Aquatic Biodiversity and Aquaculture as a Decisive Remedy.”

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</table>
| 12.10 – 12.30 | A4             | Sea Level Rise and Vulnerability of the Low-lying Habitats in the Coastal Belt of Sri Lanka     | K. W. Indika\(^1\), W. R. W. M. A. P. Weerakoon\(^2\), R. M. R. M. Rathnayaka\(^3\), S. M. Fenando\(^1\)  
\(1\)University of Colombo, Sri Lanka,  
\(2,3\)National Aquatic Resources Research and Development Agency (NARA), Sri Lanka |
| 12.50 – 13.50 |                | Networking lunch                                                                              |                                                                        |

**TECHNICAL SESSION 02: TECHNICAL ADVANCES IN AQUACULTURE 1**

Chaired by Dr. S.C. Jayamanne (Uva Wellassa University, Sri Lanka)

Thursday, 24th August 2017 | 14.00 to 15.20 (Gregory Hall)

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</tr>
</thead>
</table>
\(1\)University of Jaffna, Sri Lanka,  
\(2\)National Institute of Fundamental Studies, Sri Lanka |
| 14.40 – 15.00 | B3             | Culture of a Thai Blue Marine Sponge, Xestospongia Sp. in Natural Condition to Produce Bioactive Secondary Metabolites | Patchara Pedpradab\(^1\), Kietisak Yoksang\(^2\), Wattana Watanakul\(^3\)  
\(1,3\)Rajamangala University of Technology Srivijaya, Trang Campus, Thailand,  
\(2\)Walailak University, Thailand |
| 15.00 – 15.20 | B4             | Growth Performance, Immunological Response and Body Composition of Rainbow Trout (Oncorhyncus mykiss) Fingerling Fed Different Marine Macroalgae Powders as a Feed Additive | Abedian Kenari Abdolmohammad, Kazemi Mehdi (Tarbiat Modares University, Iran) |

**POSTER SESSION**

Chaired by Mr. Rohana Subasinghe (Retired Chief of FAO Aquaculture Service)

Thursday, 24th August 2017 | 15.20 to 15.45 (Gregory Hall)

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<tr>
<td>P1</td>
<td>Comet Fish Production (Carassius auratus auratus L) and Water Quality in the Aquaponic System</td>
<td>Yuli Andriani, Yayat Dhahiyat, Zahidah, Iskandar, Irfan Zidni, dan Tria Mawardiani (Universitas Padjadjaran, Indonesia)</td>
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</table>
### Technical Session 03: Food Security, Small Scale Aquaculture & Aquatic Health Management

Chaired by Mr. Rohana Subasinghe *(Retired Chief of FAO Aquaculture Service)*

**Thursday, 24th August 2017 | 15.45 to 16.45 (Gregory Hall)**

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<tbody>
<tr>
<td>15.45 – 16.05</td>
<td>C1</td>
<td>Aquaculture in Pakistan: Challenges and Opportunities</td>
<td>Laghari Muhammad Younis <em>(University of Sindh, Pakistan)</em></td>
</tr>
<tr>
<td>16.25 – 16.45</td>
<td>C3</td>
<td>Ability of Aquatic Pathogen; <em>Vibrio campbellii</em> to Form Biofilm on Different Abiotic Surfaces</td>
<td>E. G. K. Y. C. Bandara¹, H. A. D. Ruwandeepika², K. H. M. A. Deepananda¹ <em>(1University of Ruhuna, Sri Lanka, 2Sabaragamuwa University of Sri Lanka, Sri Lanka)</em></td>
</tr>
<tr>
<td>16.45 – 17.15</td>
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<td>Evening Refreshments</td>
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**19.00 Onwards**

Conference Networking Dinner with cultural Show hosted by TIIKM
## TECHNICAL SESSION 04: FOOD SECURITY, SMALL SCALE AQUACULTURE & AQUATIC HEALTH MANAGEMENT 2

**Chaired by Dr. Md. Rafiqul Islam Sarder (Bangladesh Agricultural University, Bangladesh)**

**Friday, 25th August 2017 | 09.00 to 10.20 (Gregory Hall)**

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<tbody>
<tr>
<td>09.00 – 09.20</td>
<td>C4</td>
<td>Status of Fresh Water Ornamental Fish Farming Industry as a Small-Scale Aqua Business in Galle District, Sri Lanka</td>
<td>Krishni M. Nishshanka, Kumudu Radampola, Vajira P. Bulugahapitiya (<em>University of Ruhuna, Sri Lanka</em>)</td>
</tr>
<tr>
<td>09.20 – 09.40</td>
<td>C5</td>
<td>Productivity of Catfish in Aquaponic Red Water System</td>
<td>Zahidah, Yayat Dhahiyat, Yuli Andriani, Asep Sahidin, Ihsan Farizi (<em>Universitas Padjadjaran, Indonesia</em>)</td>
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<tr>
<td>09.40 – 10.00</td>
<td>C6</td>
<td>Use of Biological Parameters in Assessing the Aquaculture Potential of the Mud Clam, <em>Polymesoda erosa</em> (Bivalvia: Corbiculidae) in Santiago River, Dagupan City, Northern Philippines</td>
<td>Francis Albert T. Argente, Sotero M. Aban, Emmanuel Federico C. Capinpin Jr., Armando C. Garcia, Lemark M. Bautista (<em>Pangasinan State University-Binmaley Campus, Philippines</em>)</td>
</tr>
<tr>
<td>10.00 – 10.20</td>
<td>C7</td>
<td>Economic Viability of Small Scale Shrimp (<em>Penaeus monodon</em>) Farming in the North-Western Province of Sri Lanka</td>
<td>Menake Gammanpila¹, Pall Jenssson² (¹National Aquatic Resources Research and Development Agency (NARA), Sri Lanka, ²Reykjavik University, Iceland)</td>
</tr>
<tr>
<td>10.20 – 10.50</td>
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<td>Morning Refreshments</td>
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## TECHNICAL SESSION 05: OVERFISHING & ECOSYSTEM DEGRADATIONS

**Chaired by Dr. Kumudu Radampola Gamage (University of Ruhuna, Sri Lanka)**

**Friday, 25th August 2017 | 10.50 to 12.50 (Gregory Hall)**

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<tbody>
<tr>
<td>10.50 – 11.10</td>
<td>D1</td>
<td>Impacts of Tourism on Coral Reefs at Casuarina Beach of Karainagar Island in Jaffna Peninsula, Sri Lanka</td>
<td>Ashani, A¹, Herath, H, M, V, G², Sivashanthini, k³, Upasanta Kumara, W, A, A⁴, Harishchandra, A⁵ (¹University of Peradeniya, Sri Lanka, ²University of Jaffna, Sri Lanka, ³Ocean University of Sri Lanka, ⁴National Aquatic Resources Research and Development Agency, Sri Lanka, ⁵Sultanate Qaboos University, Oman)</td>
</tr>
<tr>
<td>11.10 – 11.30</td>
<td>D2</td>
<td>Capacity Utilization in Small-Scale Fisheries: A Case of Oman</td>
<td>Al Siyabi M. S., Bose S. (<em>Sultanate Qaboos University, Oman</em>)</td>
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<tr>
<td>11.30 – 11.50</td>
<td>D3</td>
<td>Study on Fish Depletion Due to Fishing and Pollution in Cirata Reservoir</td>
<td>Zuzy Anna, Achmad Rizal, Asep Agus Handaka, Purna Hindayani (<em>Universitas Padjadjaran, Indonesia</em>)</td>
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<tr>
<td>11.50 – 12.10</td>
<td>D4</td>
<td>Assessment of Trammel Net Fisheries of Munnakkaraya, Negombo Lagoon (SRI LANKA)</td>
<td>Perera W. M. W., Nawarathna E. I., Gunawardena K. A. U., Bamunuarachchi N.I (Ocean University of Sri Lanka, Sri Lanka)</td>
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<td>12.10 – 12.30</td>
<td>D5</td>
<td>Biological Aspects of the Mola Carplet Amblypharyngodon mola (Cyprinidae) in the Payra River, Southern Bangladesh</td>
<td>Ferdous Ahamed¹, Zoarder Faruque Ahmed², Md. Yeamin Hossain³ (¹Patuakhali Science and Technology University, Bangladesh, ²Bangladesh Agricultural University, Bangladesh, ³University of Rajshahi, Bangladesh)</td>
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<tr>
<td>12.50 – 13.50</td>
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<td>Networking lunch</td>
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**TECHNICAL SESSION 06: TECHNICAL ADVANCES IN AQUACULTURE 2**

Chairied by Dr. Manoj R. Nair (College of Micronesia Land Grant Program, India)
Friday, 25th August 2017 | 14.00 to 15.40 (Gregory Hall)

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<tr>
<td>14.00 – 14.20</td>
<td>B5</td>
<td>Utilization of Blood Clams (Anadara granosa) to Make Hydrolysate Protein Using Papain Enzyme</td>
<td>Heldinto, A. B, Syefira, D, Syahera, D (Sampoerna University, Indonesia)</td>
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<td>14.20 – 14.40</td>
<td>B6</td>
<td>Feasibility of Using Sail Fin Catfish (Pterygoplichthys spp.) Meal in the Diets of Juvenile Guppy Fish (Poecilia reticulata)</td>
<td>Raneesha De Fonseka, Kumudu Radampola (University of Ruhuna, Sri Lanka)</td>
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<td>14.40 – 15.00</td>
<td>B7</td>
<td>Cryopreservation of Sperm of Critically Endangered Mohashol, Tor tor (Hamilton) for ex-situ Conservation</td>
<td>Sarder, M. R. I., Ryhan, N. B., Kabir, S. M., Mollah, M. F. A. (Bangladesh Agricultural University, Bangladesh)</td>
</tr>
<tr>
<td>15.00 – 15.20</td>
<td>B8</td>
<td>Formulation of Low Cost Fish Feed for Oreochromis niloticus by Using Scavenger (Pterygoplichthys multiradiatus) Fish Meal</td>
<td>Withanage P. M¹, Herath H. M. U. K. B², Radampola,K³, Madushani S. L. G⁴ (¹Carp breeding Centre Udawalawe, Sri Lanka, ²National Aquaculture Development Authority of Sri Lanka, Sri Lanka, ³University of Ruhuna, Sri Lanka, ⁴University of Peradeniya, Sri Lanka)</td>
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<tr>
<td>15.40 – 16.15</td>
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Friday, 25th August 2017 | 16.15 to 16.55 (Gregory Hall)

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<td>16.15 – 16.45</td>
<td>Conference Concluding and Awarding Ceremony</td>
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<td>16.45 – 16.55</td>
<td>Vote of Thanks by Mr. Oshadee Withanawasam</td>
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Saturday, 26th August 2017 | Post Conference Tour (Optional)

ICFA 2017 Conference Chair
Dr. Saman Bandara Athauda
(Department of Animal Science, Faculty of Agriculture, University of Peradeniya, Sri Lanka)

Evaluation Panel

- Assoc.Prof.Dr. Patchara Pedpradab - Trang Campus, Thailand
- Dr. S.C. Jayamanne - Uva Wellassa University, Sri Lanka
- Mr. Rohana Subasinghe - Retired Chief of FAO Aquaculture Service
- Dr. Md. Rafiqul Islam Sarder - Bangladesh Agricultural University, Bangladesh
- Dr. Kumudu Radampola Gamage - University of Ruhuna, Sri Lanka
- Dr. Manoj R. Nair - College of Micronesia Land Grant Program, India
- Dr. Saman Bandara Athauda - University of Peradeniya, Sri Lanka
- Mr. N.P.P. Liyanage - Uva Wellassa University, Sri Lanka
- Mr. Duminda Senevirathna - Uva Wellassa University, Sri Lanka