8th International Conference on

FISHERIES & AQUACULTURE

October 02-04, 2017
Toronto, Canada
# Scientific Program

## Day 1  October 02, 2017

### 09:30-10:00 Registrations

### 10:00-10:15 Opening Ceremony

### 10:15-10:20 Introduction by Moderator

### 10:20-10:50 Title: Challenges to the development of new disease management tools/products for a growing aquaculture industry

Kenneth Cain, University of Idaho, USA

### Networking & Refreshment Break 10:50-11:10 @ Foyer

### 11:10-11:40 Title: The future of fisheries and fisheries science

Ernesto A Chávez, Interdisciplinary Center for Marine Sciences, Mexico

## Special Session by Celia Cahu 11:40-12:25

**Sessions:**
- Aquaculture
- Aquatic Organisms
- Aquatic Animal Health & Medicine
- Coastal & Marine

**Session Chair:** Kenneth Cain, University of Idaho, USA
**Session Co-chair:** Ernesto A Chavez, Interdisciplinary Center for Marine Sciences, Mexico

### Session Introduction

#### 11:40-11:45

**Title:** Evaluation of factors that may have cause the collapse of the sardine fishery of lake Kariba

Portia Chiyedza Chifamba, University of Zimbabwe, Zimbabwe

#### 12:25-12:45

**Title:** Plankton fatty acids and planktivorous fishhills: Do dietary Omega-3s control acclimation to decreasing temperature?

Sixto E Portilla, Open Water Enterprises LLC, USA

#### 12:50-13:15

**Title:** Status and developments of fisheries and aquaculture in India based on retrospection and projections

Muruganandam Muthiah, South Dakota State University, USA

### Group Photo

### Lunch Break 13:15-14:05 @ Resturent

### 14:05-14:30

**Title:** Effects of different feeding levels and frequencies on growth performance, feed utilization, survival and body composition of the freshwater prawn, Macrobrachium rosenbergii (De Man, 1879)

Madlen M. Habashy, National Institute of Oceanography and Fisheries, Egypt

### 14:30-14:55

**Title:** Bioremediation of pollutants in aquaculture systems using free living protozoa, an eco-friendly method

Vasu Jayaprakas, Amity University, India

### 14:55-15:20

**Title:** Constraint analysis on fish farming and extension needs in Northwestern Himalayas, India

Muruganandam Muthiah, South Dakota State University, USA

### 15:20-15:45

**Title:** Present status of the Indian marine fisheries with special reference to sardine and anchovy fishery along the Indian coasts- An analysis

A K Bhargava, Fishery Survey of India, India

### Networking & Refreshment Break 16:10-16:30 @ Foyer

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**conferenceseries.com**
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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution/Location</th>
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</thead>
<tbody>
<tr>
<td>16:30-16:55</td>
<td>Title: Enhancement of reproductive performance of gangetic leaffish (<em>Nandus nandus</em>) and gourami (<em>Colisa fasciatus</em>) with dietary phospholipids</td>
<td>Zakir Hossain</td>
<td>Bangladesh Agricultural University, Bangladesh</td>
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<tr>
<td>16:55-17:20</td>
<td>Title: Impact of climate variability on Pakistan's coastal fishery</td>
<td>Shahid Amjad</td>
<td>Institute of Business Management (IoBM), Pakistan</td>
</tr>
<tr>
<td>17:20-17:45</td>
<td>Title: Scientific approaches towards rainbow trout farming in Indian uplands for entrepreneurship development</td>
<td>Atul K. Singh</td>
<td>Directorate of Coldwater Fisheries Research, India</td>
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**Panel Discussions**

**Day 2 October 03, 2017**

**Eleanor**

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<tr>
<th>Time</th>
<th>Keynote Forum</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>10:00-10:10</td>
<td>Introduction by Moderator</td>
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<tr>
<td>10:10-10:40</td>
<td>Title: Molecular basis on the indeterminate growth observed in fish skeletal muscle</td>
<td>Shigeharu Kinoshita</td>
<td>The University of Tokyo, Japan</td>
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<tr>
<td>10:40-11:00</td>
<td>Networking &amp; Refreshment Break 10:40-11:00 @ Foyer</td>
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<tr>
<td>11:00-11:30</td>
<td>Title: Role of nutrition on fish reproduction for development of aquaculture industry and ornamental fish trade</td>
<td>Vasu Jayaprakas</td>
<td>Amity University, India</td>
</tr>
<tr>
<td>11:30-12:00</td>
<td>Title: TBA</td>
<td>WMTB Wanninayaka</td>
<td>Wayamba University of Sri Lanka, Sri Lanka</td>
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**Special Session by Gloria Batista de Vega 12:00-12:45**

**Sessions: II**

Aquatic Ecology | Fish Genetics & Biotechnology | Fish Nutrition | Fish Pathology & Physiology | Fisheries Conservation & Management | Fish Farming Techniques

Session Chair: Ernesto A Chávez, Interdisciplinary Center for Marine Sciences, Mexico
Session Co-chair: Shigeharu Kinoshita, The University of Tokyo, Japan

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</thead>
<tbody>
<tr>
<td>12:45-13:10</td>
<td>Title: Towards the sustainability of world fisheries</td>
<td>Ernesto A Chávez</td>
<td>Interdisciplinary Center for Marine Sciences, Mexico</td>
</tr>
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**Lunch Break 13:10-14:10 @ Restaurant**

**Session Introduction**

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</thead>
<tbody>
<tr>
<td>14:10-14:35</td>
<td>Title: Prototype development for extraction crab meat</td>
<td>Cassio Aurelio Suski</td>
<td>IFSC, Brazil</td>
</tr>
<tr>
<td>14:35-15:00</td>
<td>Title: Development of tilapia broodstocks producing all-male progeny on a commercial scale</td>
<td>Eyal Seroussi</td>
<td>Agricultural Research Organization (ARO), Rishon LeTsiyon, Israel</td>
</tr>
<tr>
<td>15:00-15:25</td>
<td>Title: Isolation and identification of the potential probiotics from the gut of the African catfish, <em>Clarias gariepinus</em></td>
<td>Khaled M. Selim</td>
<td>Kuwait Institute for scientific research, Kuwait</td>
</tr>
<tr>
<td>15:25-15:50</td>
<td>Title: Impacts of culture and traditions on riverine fisheries resources in Uttarakhand Himalayas, India</td>
<td>Muruganandam Muthiah</td>
<td>South Dakota State University, USA</td>
</tr>
<tr>
<td>15:50-16:15</td>
<td>Title: Genetic diversity and phylogenetic relationship of catfish order siluriformes inferred from mitochondrial gene sequence variation</td>
<td>Punhal Khan Lashari</td>
<td>University of Sindh, Pakistan</td>
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**Networking & Refreshment Break 16:15-16:35 @ Foyer**
Title: The effect of broodstock sex ratio on the reproductive performance of singidia tilapia (Oreochromis esculentus) reared in hapas
Nyanchiri Elizabeth Mwikali, University of Eldoret, Kenya

Title: Assessment of physicochemical parameters and heavy metal levels in water, sediments and selected fish species from upper Benue River, Adamawa State, Nigeria
Abdulrahman Abubakar Kotos, Modibbo Adama University of Technology, Nigeria

Poster Presentations 16:00-17:00
Session Judge: Ernesto A Chávez, Interdisciplinary Center for Marine Sciences, Mexico

ICFA 101
Title: Actions of the brazilian confederation of agriculture and livestock to improve aquaculture health management in Brazil
Lilian A Figueiredo, Brazilian Confederation of Agriculture and Livestock (CNA), Brazil

ICFA 102
Title: Airlift technology for improving aquaculture farms
Mohammad Shallouf, University of Guelph, Canada

ICFA 103
Title: Microscopic and submicroscopic gradient variation of olfactory systems among six Sinocyclocheilus species living in different environments
Xiaooyan Zhang, Yunnan University, China

ICFA 104
Title: Acquired immune gene expression in rainbow trout (Oncorhynchus mykiss) promoted by an inactivated vaccine against infectious pancreatic necrosis virus
Catalina Tufiño-Loza, National Autonomous University of Mexico, México

ICFA 105
Title: Pen culture in caspian sea
Seyedeh Somayeh Zekrgoo, Islamic Azad University, Iran

ICFA 106
Title: Study of (LC50 96 h) and histopathological lesions of nitrate in the liver and kidney of (Acipenser stellatus)
Saied Gholipour Lafmejani, Islamic Azad University, Iran

Panel Discussions

Day 3        October 04, 2017
Eleanor

10:00-10:10 Introduction by Moderator

Sessions: III
Deep Water & Demersal Fisheries | Freshwater Fisheries | Sustainable Aquaculture | Shellfish Fisheries | Aquaculture Economics | Aquaculture Policy & Regulation
Session Chair: Vasu Jayaprakas, Amity University, India
Session Co-chair: Ernesto A Chavez, Interdisciplinary Center for Marine Sciences, Mexico

Title: Effects of dredging operations on the demersal fish fauna of a South American tropical–subtropical transition estuary
Mario Barletta, Federal University of Pernambuco, Brazil

Networking & Refreshment Break 10:35-11:00 @ Foyer

11:00-11:25
Title: Airlift pump technology for sustainable aquaculture production
Johnathan Szeliga, University of Guelph, Canada

Title: Incidence of human pathogenic bacteria in fish and coastal waters of Fako
Formanyi Anthonia Nzemu, Congelcam S.A, Cameroon

Title: Which persistent organic pollutants in the river swat, Pakistan represent the greatest risk to the local ecosystem especially to fishes?
Muhammad Ishaq, Islamia model school of biological Sciences, Pakistan

11:25-11:50
Division, South West Region, Cameroon

11:50-12:15
Title: Surfactants and lead (Pb): A baseline study for IEC material development
Katrina L Canon, Bicol University, Philippines

12:15-12:40
Title: Impact of spear fishing on fish community in south coast of Kenya
Sonia K. Mumbah, University of Eldoret, Kenya

12:40-13:05
Lunch Break 13:05-14:00 @ Restaurant

Panel Discussions
Thanks Giving & Closing Ceremony