

8<sup>th</sup> International Conference on

# FISHERIES & AQUACULTURE

October 02-04, 2017  
Toronto, Canada



# Scientific Program

Day 1 October 02, 2017

09:30-10:00 Registrations

Eleanor

conference**series**.com 10:00-10:15

## Opening Ceremony

### Keynote Forum

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: I

Aquaculture | Aquatic Organisms | Aquatic Animal Health & Medicine | Coastal & Marine

Aquaculture | Aquatic Toxicology | Aquaculture Engineering

Session Chair: Kenneth Cain, University of Idaho, USA

Session Co-chair: Ernesto A Chavez, Interdisciplinary Center for Marine Sciences, Mexico

Session Introduction

12:25-12:50 Title: Plankton fatty acids and planktivorous fishills: 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: Evaluation of factors that may have cause the collapse of the sardine fishery of lake Kariba

Portia Chiyedza Chifamba, University of Zimbabwe, Zimbabwe

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: 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

15:20-15:45 Title: Constraint analysis on fish farming and extension needs in Northwestern Himalayas, India

Muruganandam Muthiah, South Dakota State University, USA

15:45-16:10 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

- 16:30-16:55** Title: **Enhancement of reproductive performance of gangetic leaf fish (*Nandus nandus*) and gourami (*Colisa fasciatus*) with dietary phospholipids**  
Zakir Hossain, Bangladesh Agricultural University, Bangladesh
- 16:55-17:20** Title: **Impact of climate variability on Pakistan's coastal fishery**  
Shahid Amjad, Institute of Business Management (IoBM), Pakistan
- 17:20-17:45** Title: **Scientific approaches towards rainbow trout farming in Indian uplands for entrepreneurship development**  
Atul K. Singh, Directorate of Coldwater Fisheries Research, India

### Panel Discussions

Day 2 October 03, 2017

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### Keynote Forum

**10:00-10:10** Introduction by Moderator

**10:10-10:40** Title: **Molecular basis on the indeterminate growth observed in fish skeletal muscle**  
Shigeharu Kinoshita, The University of Tokyo, Japan

Networking & Refreshment Break 10:40-11:00 @ Foyer

**11:00-11:30** Title: **Role of nutrition on fish reproduction for development of aquaculture industry and ornamental fish trade**  
Vasu Jayaprakas, Amity University, India

**11:30-12:00** Title: **TBA**  
WMTB Wanninayaka, Wayamba University of Sri Lanka, Sri Lanka

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

**12:45-13:10** Title: **Towards the sustainability of world fisheries**  
Ernesto A Chávez, Interdisciplinary Center for Marine Sciences, Mexico

Lunch Break 13:10-14:10 @ Resturent

Session Introduction

**14:10-14:35** Title: **Prototype development for extraction crab meat**  
Cassio Aurelio Suski, IFSC, Brazil

**14:35-15:00** Title: **Development of tilapia broodstocks producing all-male progeny on a commercial scale**  
Eyal Seroussi, Agricultural Research Organization (ARO), Rishon LeTsiyon, Israel

**15:00-15:25** Title: **Isolation and identification of the potential probiotics from the gut of the African catfish, *Clarias gariepinus***  
Khaled M. Selim, Kuwait Institute for scientific research, Kuwait

**15:25-15:50** Title: **Impacts of culture and traditions on riverine fisheries resources in Uttarakhand Himalayas, India**  
Muruganandam Muthiah, South Dakota State University, USA

**15:50-16:15** Title: **Genetic diversity and phylogenetic relationship of catfish order siluriformes inferred from mitochondrial gene sequence variation**  
Punhal Khan Lashari, University of Sindh, Pakistan

Networking & Refreshment Break 16:15-16:35 @ Foyer

- 16:35-17:00 **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
- 17:00- 17:25 **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**  
Xiaoyan 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**

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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**

- 10:10-10:35 **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
- 11:25-11:50 **Title: Incidence of human pathogenic bacteria in fish and coastal waters of Fako Division, South West Region, Cameroon**  
Formanyi Anthonia Nzemu, Congelcam S.A, Cameroon
- 11:50-12:15 **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
- 12:15-12:40 **Title: Surfactants and lead (Pb): A baseline study for IEC material development**  
Katrina L Canon, Bicol University, Philippines
- 12:40-13:05 **Title: Impact of spear fishing on fish community in south coast of Kenya**  
Sonia K. Mumbah, University of Eldoret, Kenya

**Lunch Break 13:05-14:00 @ Resturent**

### Panel Discussions

**Thanks Giving & Closing Ceremony**