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## OPENING CEREMONY

10:30 Abu Dhabi B

SUNDAY MARCH 13

## PLENARY 1 – Abu Dhabi B

10:50 H.E. Eng. Mariam Mohammed Saeed Hareb - AQUACULTURE IN THE UAE

## REGIONAL AQUACULTURE PRODUCTION SYSTEMS OPPORTUNITIES

Sunday, March 13 11:20 - 13:00 Abu Dhabi B - Chair: David Currie

11:20 **Daide Di Crescenzo**

AQUAPONICS: RAISING FISH AND CULTIVATING VEGETABLES TOGETHER WITH AN EFFICIENT USE OF LIMITED RESOURCES

12:00 **Valerio Crespi**, Sherif Sadek

SUSTAINABLE DESERT AQUACULTURE DEVELOPMENT THROUGH THE SMART USE OF WATER: SUCCESS STORIES

12:40 **Edoardo Pantanella**, David Currie, Alessandro Lovatelli

POTENTIALITIES FOR SUSTAINABLE AND INTEGRATED RECIRCULATING AQUACULTURE SYSTEMS (RAS) IN THE EMIRATES

## BREEDING AND HATCHERY

Sunday, March 13 14:30 - 15:50 Abu Dhabi B - Chair: Patrick Sorgeloos

14:30 **Mohammad Tabish**

SHEIKH KHALIFA MARINE RESEARCH CENTER – A NEW IMPERATIVE FOR HATCHERY CAPACITY BUILDING AND AQUACULTURE DEVELOPMENT IN THE UNITED ARAB EMIRATES THROUGH PUBLIC-PRIVATE PARTNERSHIPS

15:10 **Tina Rogge**, Jan Anné, Luc Roef, Jorien Fret, Mark Michiels

MICROALGAE FROM THE PROVIAPT CLOSED PHOTOBIOREACTOR SYSTEM FOR AQUACULTURE

15:30 **Abdolmohammad Abedian Kenari**, Seyedeh Sedigheh Babaei

CHANGES OF PROTEOLYTIC ENZYMES ACTIVITY IN PERSIAN STURGEON *Acipenser persicus* DURING LARVAL DEVELOPMENT

## SHRIMP

Sunday, March 13 16:10 - 17:50 Abu Dhabi B - Chair: Farshad Shishehchian

16:10 **Farshad Shishehchian**

ADVANCE SHRIMP FARMING: EMPHASIS ON INTENSIFICATION

16:50 **Eduardo Pantanella**

BIOFLOC AND RAS TECHNOLOGY APPLIED TO SHRIMP PRODUCTION

17:10 **Tina Rogge**, Jan Anné, Jeroen Baeyens

A NOVEL FEED ADDITIVE (PPROVIFEEDTMNOSPOT) WITH POTENTIAL FOR CONTROLLING WHITE SPOT SYNDROME VIRUS (WSSV) OUTBREAKS

17:30 **Sambhu Chithambaran**, Abdulmohsen Sofyani, Mohammad Broom, Nasser K Ayaril

CULTURE STRATEGY OF PACIFIC WHITE SHRIMP *Litopenaeus vannamei* IN HDPE LINED PONDS

17:50 **Abdolmohammad Abedian Kenari**, Saeid Voshtani

COMBINATION EFFECTS OF PROBIOTIC PROTEXIN AND MANNAN OLIGOSACCHARIDE AS DIETARY SUPPLEMENTS ON GROWTH AND INTESTINAL LACTIC ACID BACTERIA OF WHITE LEG SHRIMP *Litopenaeus vannamei*

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UNITED ARAB EMIRATES  
MINISTRY OF ENVIRONMENT & WATER



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## AQUACULTURE DEVELOPMENT

MONDAY MARCH 14

Monday, March 14 10:00 - 11:10 Abu Dhabi B - Chair: Türker Bodur

**10:00 Türker Bodur** - A REVIEW ON CURRENT STATUS OF AQUACULTURE IN TURKEY

**10:30 Glenn R. Shiell**, John Eyres, Steve Nel - BUILDING A FRAMEWORK FOR SUSTAINABLE AQUACULTURE DEVELOPMENT: A GOVERNMENT INITIATIVE TO RAPIDLY EXPAND AQUACULTURE IN WESTERN AUSTRALIA

**10:50 Armaya'u Hamisu Bichi**, Hassan Isiak Ibrahim, Akeem Babatunde Dauda - ASSESSMENT OF FISH PRODUCTION, CULTURE FACILITIES, OPERATIONS, WATER RESOURCES MANAGEMENT AND PROFITABILITY OF FISH FARMING IN KATSINA STATE, NIGERIA

## PLENARY 2 – Abu Dhabi B

**11:15 Eyesha Al Blooshi** - AQUACULTURE IN ABU DHABI

## PRODUCTION SYSTEMS

Monday, March 14 11:45 - 13:05 Abu Dhabi B - Chair: Haydar H. Al Sahtout

**11:45 Haydar H. AL Sahtout** - MODERN AQUACULTURE; THE GATEWAY TO THE BIO-MARINE ECONOMY ERA IN THE MIDDLE EAST

**12:05 Ibrahim Belal**, Jean-Yves Mevel, Radhakrishnan Subramanian - AQUAPONIC PRODUCTION SYSTEM OF LETTUCE *Lactuca sativa* AND NILE TILAPIA *Oreochromis niloticus* ARID LAND AREA AT A COMMERCIAL LEVEL

**12:25 Mohamed Megahed** - PROTOTYPES OF NON-TRADITIONAL INTENSIVE MARINE AQUACULTURE FOR COMMON SOLE *Solea solea* AND SHRIMP

**12:45 Alejandro Rios G.**, Nahla Mezhoud - SEAWATER ENERGY AND AGRICULTURE SYSTEM

## INDUSTRY SESSIONS

Monday, March 14 11:45 - 12:45 Abu Dhabi A - Chair Farshad Shishehchian

**11:45 Ray Clancy**, Marco Cremona - PROVIDING LONG TERM PROTECTION FOR VALUABLE LIVE-STOCK USING "KIKKONET" IN FLOATING CAGE SYSTEMS

**12:05 Jens Toftdahl** - USE OF WATER-BASED ANTIFOULING IN NET CAGES TO ENSURE GOOD WATER FLOW AND OXYGEN

**12:25 Jacob Bregnballe** - INVESTING IN AQUACULTURE CALLS FOR PROFESSIONAL PROJECT APPROACH

## PLENARY 3 – Abu Dhabi B

**14:30 Patrick Sorgeloos** - CAN AQUACULTURE BECOME THE NEW BLUE BIOTECHNOLOGY OF THE FUTURE?

## NUTRITION

Monday, March 14 14:50 - 16:10 Abu Dhabi B - Chair: Patrick Sorgeloos

**14:50 Murat Arslan**, Hilal Bayir - OMEGA-3 CONTENT OF RAINBOW TROUT FILLET: HOW MUCH SHOULD WE CONSUME FOR ENOUGH EPA AND DHA?

**15:10 Muhammad Ashraf**, Sajid Ali - EFFECT OF *Linum usitatissimum* AND *Sesamum indicum* EXTRACT AS GROWTH PROMOTORS IN DIETS OF FINGERLINGS OF GRASS CARP *Ctenopharyngodon idella*

**15:30 Adel Khams Solman**, Belal W. Mohamed, Asmaa T. Mohamed - PROTEIN REQUIREMENTS OF STRIPED CATFISH *Pangasius hypophthalmus*

**15:50 Hossein Khara**, Soheil Lameei, Mohammad Sayad Boorani - EFFECTS OF DIFFERENT LEVELS OF FOLIC ACID AND VITAMIN B2 (RIBOFLAVIN) ON GROWTH, HEMATOLOGICAL AND IMMUNOLOGICAL PARAMETERS OF RAINBOW TROUT FINGERLING *Oncorhynchus mykiss*

## CANADIAN SESSION

Monday, March 14 16:10 - 18:30 Abu Dhabi B - Chair: Daniel Stechey

**16:30 Debbie Plouffe** - THE CENTER FOR AQUACULTURE TECHNOLOGIES: CATALYZING THE BLUE REVOLUTION

**16:50 Arvind Venkataraman**, Evan Bell - INTRINSIC TOOLS FOR DIRECT ECONOMIC VALUE THROUGH ECOSYSTEM ENGINEERING IN AQUAPONICS

**17:10 Robert Roulston** - ALGAE PHOTOBIOREACTORS IN THE MIDDLE EAST

**17:30 Dominique Bureau** - AQKIMAS: A DATA COMPILATION, INTEGRATION AND ANALYSIS PLATFORM FOR AQUACULTURE NUTRITION RESEARCH

**17:50 GJ Johnson** - ATLANTIC HALIBUT FARMING: AN EMERGING ALTERNATIVE

**18:10 Daniel Stechey**, Greg Beckman, W.D. (Bill) Robertson - CONVERSION OF A COMMERCIAL GREENHOUSE INTO AN AQUAPONICS FACILITY AND THE ECONOMICS OF SMALL-SCALE (50-200 TONNES) RAS