

SHORT COURSES

World Aquaculture 2011

Four Short Courses will be offered before World Aquaculture 2011 on June 6, 2011 at the Natal Convention Center in Natal, Brazil. You must register for World Aquaculture 2011 in order to register for one of the Short Courses. The cost of each Short Course is US\$80.00. You can register for the Short Course at the same time you register for the conference.

SC01: Biofloc Technology Dr. Wilson Wasielesky FURG and Dr. Yoram Avnimelech Israel Institute of Technology
The course was scheduled to present basic information about intensification of shrimp and Tilapia culture systems. It includes different issues like historic of the BFT systems, autotrophic and heterotrophic processes, microbial processes and nitrogen cycle in BFT Systems. Different management procedures will be presented mainly the use of different aeration type, feeding and how to feed in BFT systems. The course also includes the discussion about procedures of Tilapia and shrimp growout in tanks, raceways and lined ponds, and perspective of the use of BFT systems around the world.

SC02: Marine Ornamental Species Aquaculture Dr. Ricardo Calado CESAM & DeBio da Universidade de Aveiro
The present course will address the most relevant advances in the breeding and rearing of marine ornamental species. Details on spawning, embryo development, larval rearing, plankton culturing and tank design will be presented, both for fish and invertebrate species. This course will highlight the concerns towards the establishment of sustainable collection, production and trading practices for marine ornamentals, as well as the urgent need to develop reliable traceability protocols to distinguish cultured specimens from wild conspecifics.

SC03 Shrimp Infectious myonecrosis virus (IMNV) Speaker: Dr. Thales Passos de Andrade UFC

1. Introduction to gross anatomy and normal histology.
2. Fixation procedures for routine histology, collection of samples, shipping and standard histological techniques.
3. Normal histology and post-mortem change of principal organs and tissues.
4. IMN history, geographic distribution and other agents causing myonecrosis in shrimp.
5. Demonstration and lab session on IMN diagnostic histopathology.
6. OIE molecular diagnostic methods for detection of IMNV (theory, equipment used and application for ISH, RT-PCR, RT-LAMP and qRT-PCR). Commercial available diagnostic platforms will be discussed.
7. Strategies to prevent, to control and to farm shrimp in the endemic zones of IMN in Brazil.

SC04 Job Opportunities for the Aquaculture Professional Speaker: Dr. Lorenzo Juarez
The course on "Job opportunities for the aquaculture professional" will be a primer directed to students of aquaculture as a guide to the habits and actions conducive to good professional opportunities in the field of aquaculture. The course will cover preparing for professional opportunities from their days at school and also guidelines to secure jobs and progress in their professional career.

SC05 Water Recirculating Technology Speakers: Dr. Germán E. Merino and Eng. Joel Barraza
This course reviews the principal biological, chemical and physical processes occurring in Recirculating Aquaculture Systems (RAS), and applies this knowledge in the design of RAS installations. The course is open to biologists, farmers, engineers, researchers involved in the management or operation of land based intensive aquaculture facilities. Participants will gain a fundamental knowledge of the principles influencing design decisions and will acquire the skills necessary to operate and management of recirculating systems. CD with lectures included. Sponsored by AES.

Short Course Details:

1. All Short Courses start at 08:00 and go until 18:00 with a lunch Break from 12:00 – 14:00
2. All participants will receive a certificate.
3. All participants will receive the World Aquaculture 2011 conference bag.
4. Coffee breaks are included in the registration from 9:45 to 10:00 and from 15:45 to 16:00
5. Short Courses are conducted in English without any translation.

For more information, contact the organizers:

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