SMART SHRIMP AQUACULTURE WORKSHOP for the ASIA PACIFIC REGION

20-22 January 2016
Venue: Asian Institute of Technology, (AIT)
P.O. Box 4, Klong Luang, Pathumthani 12120, Thailand

Living with EMS and EHP... Challenging the disease through Smart Shrimp farming

Sponsors

Online Registration: https://goo.gl/pT4dO1
Shrimp farming industry is currently passing through a challenging phase, mostly because of disease conditions like the Acute Hepatopancreatic Necrosis Disease (AHPND), still popular worldwide as EMS - the Early Mortality Syndrome, and that caused by the microsporidian parasite *Enterocytozoon hepatopenaei* (EHP). These are widespread in Thailand and are feared to take new forms across diverse farming situations. Many shrimp farmers have no clue as to how this critical situation could be controlled. To manage these and the emerging challenges, farmers at the regional level need to be updated with the latest research, and also acquire adequate expertise and practical skills to efficiently organize their resources for achieving improved production levels. This workshop on *Smart shrimp farming* is organized jointly by Asian Institute of Technology (AIT), Bangkok, Thailand; Asian Pacific Chapter of the World Aquaculture Society; and Blue Aqua International Ltd., Bangkok, Thailand.

AIT is an international Institute with an excellent track record of academic and research achievements in aquaculture, and disseminating aquaculture technologies through AIT’s renowned expertise in international training. World Aquaculture Society with more than 3000 members in about 100 countries is the largest organization representing the global aquaculture community. WAS-APC, the regional Chapter of WAS has long been promoting sustainable aquaculture in the Asian Pacific region. Blue Aqua is a one stop solution provider for the aquaculture industry in Asia Pacific with a strong production and marketing network in the region.

The workshop will bring together world’s leading experts who will present many proven solutions to stem the EMS tide and set the goal for a more prosperous shrimp farming using the latest technological advancements on the topic. It is hoped that the event will be greatly beneficial for participants to generate a wealth of information from and apply these techniques for improving shrimp production in their aquaculture enterprises.

**Who should attend?**

The workshop is intended for practicing shrimp farmers, farm technicians, progressive entrepreneurs, researchers in R & D institutions, officers of the Department of Fisheries, and enterprising aquaculture students from Thailand and overseas. There will be a translator to help Thai farmers attending the Workshop.

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**Speakers:**

**Dr. Claude E. Boyd**  
Auburn University, AL, U.S.A  
**Biosecure shrimp feeds & feeding practices**

**Dr. Albert G.J. Tacon**  
Aquatic Farms Ltd., Hawaii, U.S.A  
**Experiences with investigations of water quality involvement in causes of shrimp mortalities over the past 30 years**

**Dr. Chalor Limsuwan**  
Kasetsart University, Bangkok, Thailand  
**Shrimp culture techniques for preventing EMS and EHP**

**Dr. Farshad Shishehchian**  
Blue Aqua International Ltd., Bangkok, Thailand  
**Mixotrophic systems for high production vannamei shrimp farming**

**Dr. Olivier Decamp**  
INVE Aquaculture, Nonthaburi, Thailand  
**Use of probiotics in shrimp farming: Myths and misconceptions**

**Dr. Kallaya Sritunyalucksana**  
Mahidol University, Bangkok, Thailand  
**Updated research on Shrimp Early Mortality Syndrome, ATM and EHP**

[Online Registration](https://goo.gl/pT4dO1)
Dr. Boyd obtained a Ph.D in Water and Aquatic Soil Chemistry from Auburn University in 1966 and has worked in several capacities since then. He has been a Professor since 1977 and presently, he is a Butler/Cunningham Eminent Scholar in Agriculture and the Environment. He has received over $4 million in extramural grants to support research on pond water quality, pond hydrology, and environmental management in aquaculture. His research produced a pond liming procedure currently being used worldwide and a design for a paddlewheel aerator. He has special research interest in environmental effects of aquaculture. He has worked with the World Wildlife Fund, the Global Aquaculture Alliance, and several other organizations related to design of Aquaculture Best Management Practices and Aquaculture Certification Standards. He has published 8 books, 317 refereed journal articles, 102 bulletins, manuals, and circulars, 82 chapters in books and proceedings, and 134 trade journal articles.

Dr. Albert G.J. Tacon is Technical Director of Aquatic Farms Ltd in Hawaii, and works as an international aquaculture consultant, specializing in aquatic feeds and nutrition. He worked for 8 years within the UK as a university lecturer and researcher in applied fish nutrition at the University of Aston Birmingham and at the Institute of Aquaculture in Stirling. He has also worked with the FAO for 14 years as an aquaculture feed and nutrition expert. Albert has been working with Aquatic Farms Ltd (Hawaii) as an independent consultant in aquaculture and aquaculture nutrition and feed related activities. His expertise has taken him to work in over 44 countries, and has over 228 scientific publications and one patent. He currently serves as Scientific Advisor on Aquatic Resources to the International Foundation of Science Stockholm, Sweden (since 1998), is Editor in Chief of the journal Reviews in Aquaculture, and also serves on the editorial board of Aquaculture Nutrition and Aquaculture Research.

Dr. Chalor Limsuwan at the Faculty of Fisheries, Kasetsart University, Bangkok had his Ph.D. and postdoctoral research in Fish Pathology from Auburn University, U.S.A. Dr. Chalor has been engaged in teaching and research on shrimp farming, and disease prevention for over 30 years. He has undertaken a number of research projects as principal investigator and has been an invited speaker on shrimp farm management for many international conferences. He is currently a member of the Agricultural and Biological Sciences Committee of National Research Council (NRC) of Thailand, Supervisor of Board of Trade of Thailand (Fisheries and Fishery Industry), and in the Committee of National Center for Genetic Engineering and Biotechnology (BIOTEC) in Shrimp Cluster.

Dr. Farshad Shishehchian is the president & CEO of Blue Aqua International group of companies, which have a global presence in over 14 countries. Blue Aqua International is a one-stop solution provider for the aquaculture industry and distributes specialty products and services as well as innovative and holistic solutions to help customers increase their profits and operate their business sustainably with environmental friendliness. Dr. Farshad is the inventor of Mixotrophic system, super intensive shrimp farming system, which has PCT patent in over 144 countries. He is the Founder and President of the Asian Aquaculture Network (AAN). Dr. Farshad currently is the president of the World Aquaculture Society, Asia Pacific Chapter. He has dynamic, hands-on experience in managing farms and hatcheries, market insights, consultation with local networking over 20 years in the world’s top aquaculture producing countries. Dr. Farshad holds a Ph.D in Terrestrial and Aquatic Ecology. He has rich experience and profound understanding of aquaculture in Thailand, Vietnam, Indonesia, India, Bangladesh, Philippines, China, Sri-Lanka, Malaysia, Korea, Norway, Turkey, USA, Mexico, Brazil, Ecuador, Australia, Singapore and Chile.

Dr. Kallaya Sritunyalucksana is a Principal Researcher and Head of Shrimp-Virus Interaction Laboratory (ASVI) of National Center of Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency ( NSTDA), Pathumthani, Thailand. She is also the Head of Shrimp Immunology Platform of Center of Excellence for Shrimp Molecular Biology and Biotechnology, Faculty of Science, Mahidol University, Bangkok, Thailand. She has finished her Ph. D. (Comparative Physiology) under the topic of shrimp immune mechanism from Uppsala University in Sweden in 2001. Her research interest is on shrimp–virus interaction and shrimp pathogen discovery and characterization. She has over 40 scientific publications in the field. Her research activity connects with national and international collaborators. During the past three years, her team has worked intensively with the problem of shrimp EMS/AHPND.

Olivier received his Ph.D. in Zoology from The Natural History Museum, London, and the University of Leicester (UK) in 1996, with focus on wastewater microbiology. After spending 4 years in Japan, as a Postdoctoral Scientist in marine microbiology, he joined the aquaculture nutrition team at the Oceanic Institute in Hawaii, where he carried out work on microbial dynamics in zero exchange shrimp systems. In 2002, he joined INVE Aquaculture, as an R&D scientist, where he was responsible for research and product development in aquaculture health. Since 2008, he is based in Bangkok. His current role at INVE Aquaculture is to steer product development and R&D projects as well as redefine product specifications based on market intelligence, with a focus on the needs of the shrimp and fish industry in tropical Latin American and Asia. He has given numerous presentations at international conferences and published over 50 articles in peer-reviewed journals and trade magazines.
ADVANTAGES OF BECOMING A MEMBER OF WORLD AQUACULTURE SOCIETY (WAS)

- Membership in WAS connects aquaculturists with their colleagues world-wide through global conferences.
- Can avail Publications and the Online Membership Directory free of cost.
- Members receive substantial discounts on Registration Fees for all WAS-sponsored Meetings / conferences.
- Sponsorship of members is encouraged!

Membership in WAS would make an excellent gift to an interested student, researcher, educator or entrepreneur. (Financial restraints, particularly in developing countries, prevent many deserving individuals from joining WAS).

- Great opportunities await student members to meet their global mentors. Professors from across the world have teamed up with WAS to provide guidance to students. Please contact WAS to choose a mentor from your field of interest.

For more information, contact:

Dr. Krishna R. Salin
Convener,
Smart Shrimp Aquaculture Workshop for the Asia Pacific region

Aquaculture and Aquatic Resources Management (AARM)

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