



# **EIGHTH SYMPOSIUM ON DISEASES IN ASIAN AQUACULTURE**

21-25 November, 2011

Venue:  
Hotel Moti Mahal, Mangalore, India

**FIRST ANNOUNCEMENT**

Organised by



INDIAN BRANCH  
(FOUNDED 1986)



**The Fish Health Section, Asian Fisheries Society  
&  
The College of Fisheries**

Karnataka Veterinary, Animal and Fisheries Sciences University, Mangalore, India

Symposium website: <http://www.daa8.org>

# Eighth Symposium on Diseases in Asian Aquaculture

## Invitation

The organisers of the DAA VIII invite and welcome all concerned with aquatic animal health to participate in the triennial symposium being hosted by the College of Fisheries, Mangalore, India.

## Fish Health Section (FHS) of Asian Fisheries Society

The Fish Health Section of the Asian Fisheries Society was founded in May 1989 with the goal to improve regional knowledge on fish health management and to develop awareness among Asian aquaculturists towards establishing a sustainable aquaculture industry. FHS strives to promote interaction by bringing together fish health researchers from around the world to share their knowledge and experience on investigation of diseases, enhancing protection strategies to prevent losses, use of biotechnological tools in health management and disseminating the knowledge and other relevant information on fish health by conducting training workshops and symposia from time to time. The FHS is credited with holding triennial symposia on "Diseases in Asian Aquaculture" (DAA) where members and aquatic animal health professionals meet to discuss broad issues and specific topics related to aquatic animal health.

FHS has conducted symposia earlier in Bali, Indonesia (1990); Phuket, Thailand (1993); Bangkok, Thailand (1996); Cebu, The Philippines (1999); Gold Coast, Australia (2002); Colombo, Sri Lanka (2005) and Taipei, Taiwan (2008). Each of these symposia brought together more than 250 aquatic animal health scientists, students, government researchers and industry personnel from over 60 countries to discuss issues pertaining to aquatic animal disease, their diagnosis, prevention and control. Further details on FHS is available in the website; <http://www.fhs-afs.net/>

In keeping with the tradition of the previous DAA symposia, the DAA VIII in Mangalore, India is going to be an experience you will cherish. The city of Mangalore beacons you to an exhilarating experience of evergreen valleys and hillocks, swaying palm trees and sandy beaches, a combination of science with rich heritage, irresistible cashew nuts and a variety of tongue tickling cuisines.

## Theme of DAA VIII - "Fish Health for Food Security"

The theme of this symposium has been aptly chosen to address food security concerns through increased fish production to meet the increasing global demand. The dynamic nature of the aquatic environment presents several challenges in aquaculture diseases and their management. To address these challenges the interdisciplinary approaches have become inevitable. The need of the hour is to bring together the conventional practices with molecular approaches to find answers to burning issues and ensure sustainability of aquaculture. DAA VIII will provide a forum wherein this theme will be deliberated upon in various sessions.



Intensive aquaculture to meet increasing food demand together with diversity of the species cultured, varying culture methods employed and impact of climate changes has resulted in breakdown of the delicate balance between the host, the pathogen and the environment. This has caused disease problems due to newly emerging and reemerging pathogens resulting in colossal losses to the industry and consequent livelihood issues. Local disease problems have become global in certain instances due to the transportation of live aquatic animal across boundaries.

It is an established fact that aquaculture is expanding rapidly with Asia contributing substantially to the global food security and in turn serving as a major economic activity in several developing countries. Sustainable production calls for adoption of scientific aquaculture practices keeping in mind the environmental impact due to inappropriate management. The indiscriminate use of antibiotics and other chemicals has resulted in problems of antibiotic resistance among bacteria and accumulation of chemicals including antibiotic residues, causing ban on aquaculture products by importing countries. There is an urgent need to look at alternatives to antibiotics and other chemicals by developing ecofriendly technologies. The advent of geographical information systems in providing data on climate changes, water quality and consequent disease prediction will enable to take suitable action plan by the aquaculturists. Risk assessment therefore is of paramount importance. Thus, an inter- disciplinary approach is required for the management of diseases by scientists and all concerned to develop appropriate strategies for the sustainable aquaculture production. To achieve this several levels such as capacity building in diagnostics, increasing the awareness among farmers on good husbandry practices through ecofriendly management measures such as vaccination, probiotics, immunostimulants, bioremediators etc. needs to be constantly developed and implemented.

### Technical Sessions

The conference will deliberate on the following tentative issues

- Global aquaculture - Past, present and future
- Environmental approaches to disease management
- Epidemiology of finfish diseases
- Epidemiology of crustacean shellfish diseases
- Epidemiology of molluscan shellfish diseases
- Emerging issues and approaches in aquatic animal health management
- Biosecurity and aquaculture
- Diagnostic development - conventional to molecular
- Immunological approaches to disease management
- Genomics, proteomics and bioinformatics
- Pathogen risk analysis and risk assessment
- Alternatives to antimicrobials
- Public health and trade impacts



## Sponsors

In the past the DAA symposium series have been patronised by several international organizations/industries involved in aquatic animal health. The sponsorship for DAA VIII is open and we welcome support from those who have large heartedly helped in organizing this major event in the past and also those who would like to involve in this global event.

Please contact the following persons for sponsorship details

Dr. Chu-Fang Lo      Email: gracelow@ntu.edu.tw  
Dr. K. M. Shankar      Email: kalkulishankar@gmail.com

## Institutional Partners

- Indian council of Agricultural Research, New Delhi, India
- Department of Biotechnology, New Delhi, India
- Marine Products Export Development Authority, Cochin, India
- National Fisheries Development Board, Hyderabad, India
- Department of Fisheries, Government of Karnataka, Bangalore, India
- Coastal Aquaculture Authority, Chennai, India
- Pillay Aquaculture Foundation, Mangalore, India
- Asian Fisheries Society, Indian Chapter, India
- Network of Aquaculture Centres in Asia Pacific (NACA), Bangkok, Thailand
- World Fish Centre, Penang, Malaysia

## Registration

Scientists, researchers, industry personnel, farmers, policy makers, financial institutions, NGOs, students and all those interested in aquatic animal health and its management are eligible to register and participate in DAA VIII.

The details of registration, abstract submission and accommodation will be made available in the symposium website.

## International Participants

All international participants are required to obtain VISA to travel to India. You will be responsible for contacting the Indian embassy/consulate in your country for VISA and any other travel requirements. Letter of invitation for VISA application will be sent on request after receipt of confirmation of your participation and payment of registration fee.

## Venue

DAA VIII will be held at Hotel Moti Mahal, which offers a comfort zone being situated in the heart of Mangalore city with all amenities. This venue is close to several hotels, shopping malls, eateries and business centers.



## Student Travel Award

Ten travel awards have been instituted and these will be awarded based on quality of research work. Selected applicants will be eligible for travel by economy class, free registration and local hospitality. Students pursuing their doctoral research and also young post doctoral students (below the age of 32 years) are eligible to apply. Further details will be made available in symposium website.

## Post Symposium Tours

It is planned to organize sight seeing and cultural tours to interested symposium participants. The details will be made available in due course in the symposium website.

## About Mangalore

Located along the Arabian Sea, the beautiful coastal city of Mangalore is one of the important centers of education and healthcare in India. Being situated at the foothills of the towering Western Ghats mountain range, with its rich flora and fauna, Mangalore is the headquarters of Dakshina Kannada district, which is a flourishing hub of trade and commerce. Dakshina Kannada is famous for its abundant greenery, natural splendour and scenic beauty. The region has given birth to four nationalised banks, and is famous for its traditional industries like cashew processing, tile manufacturing and beedi rolling. Having the only all-weather port of Karnataka, the city is considered to be the 'Gateway of Karnataka' and has many small and heavy industries.

## Organising Committee

### A. AFS-FHS Executive Committee (2009-2011)

Chairperson : **Dr. Chu-Fang Lo** (Taiwan)

Vice - chairperson : **Dr. C.V. Mohan** (India/Thailand)

Secretary / Treasurer : **Dr. Suppalak Lewis** (Thailand)

Members : **Dr. T. Aoki** (Japan)

**Dr. Brian Jones** (Australia)

**Dr. Arun Padiyar** (India)

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**Dr. Mangalika Hettiarachchi** (Sri Lanka)

**Dr. Jianhai Xiang** (China)

**Dr. Myung-Joo Oh** (Korea)

Observers : **Mr. Pradeep Aruna Dissanayake** (Sri Lanka)

**Dr. Puttharat Baoprasertkul** (Thailand)

**Dr. Elena S. Catap** (The Philippines)

### B. International Scientific Programme Committee (ISPC)

Chairperson: **Dr. C. V. Mohan** (India/Thailand)

Members : **Dr. Chu-Fang Lo** (Taiwan)

**Dr. Timothy Flegel** (Thailand)

**Dr. Rohana Subasinghe** (Italy)

**Dr. Temdounq Somsiri** (Thailand)

**Dr. Dang Thi Hoang Oanh** (Vietnam)

**Dr. K.V. Rajendran** (India)

**Dr. Masahiro Sakai** (Japan)

**Dr. Indrani Karunasagar** (India)

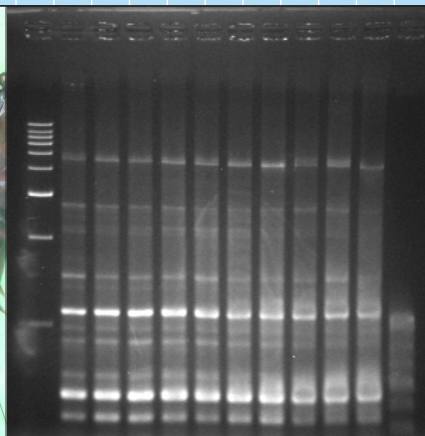
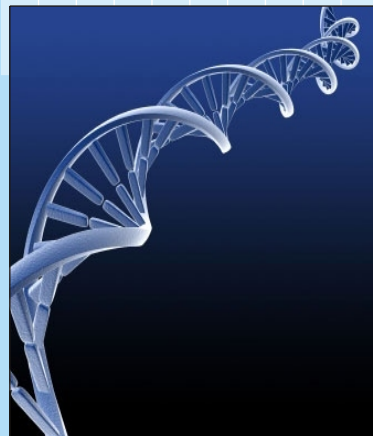
**Dr. Barry Hill** (United Kingdom)

**Dr. Leigh Owens** (Australia)

**Dr. Huang Jie** (China)

**Dr. Just Vlak** (The Netherlands)

**Dr. Eduard Leano** (The Philippines)



### C. National Advisory Committee (NAC)

**Dr. S. Ayyappan**, Director General, ICAR, New Delhi  
**Dr. Mohan Joseph Modayil**, Member, ASRB, ICAR, New Delhi  
**Dr. B. Meena Kumari**, DDG (Fisheries), ICAR, New Delhi  
**Dr. W.S. Lakra**, Director, CIFE, Mumbai  
**Dr. Suresh S. Honnappagol**, Vice-Chancellor, KVAFSU, Bidar  
**Ms. Leena Nair**, Chairperson, MPEDA, Cochin  
**Dr. A.E. Eknath**, Director, CIFA, Bubhaneshwar  
**Dr. G. Syda Rao**, Director, CMFRI, Cochin  
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**Dr. A.P. Sharma**, Director, CIFRI, Barrackpore  
**Dr. T.K.S Gopal**, Director, CIFT, Cochin  
**Dr. S.K. Jena**, Director, NBFGR, Luknow  
**Dr. P.C. Mahanta**, Director, DCFR, Bhintal  
**Mr. B. Vishnu Bhat**, Commissioner of Fisheries, Ministry of Agriculture, New Delhi  
**Mr. H.S. Veerappa Gouda**, Director of Fisheries, Govt. of Karnataka, Bangalore

### D. Local Organizing Committee (LOC)

Chairperson : **Dean** (Fisheries), College of Fisheries, Mangalore

Secretaries : **Dr. K.M. Shankar**, **Dr. Indrani Karunasagar**

Treasurer : **Dr. M.N. Venugopal**

Members : **Dr. K.K. Vijayan**, CMFRI, Cochin  
**Dr. K.V. Rajendran**, CIFE, Mumbai  
**Dr. T.C. Santiago**, CIBA, Chennai  
**Dr. Riji John**, FCRI, Tuticorin  
**Dr. I.S. Bright Singh**, CUSAT, Cochin  
**Dr. P.K. Sahoo**, CIFA, Bhuvaneshwar  
**Dr. Rathore**, NBFGR, Lucknow  
**Dr. Sahul Hameed**, C.A.H. College, Vellore

### E. Sponsorship and Travel Award Committee

**Dr. Chu-Fang Lo**      **Dr. Rohana Subasinghe**      **Dr. K.M. Shankar**      **Dr. Arun Padiyar**

### For further Information please contact the Organising Secretaries

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### Important Dates

Call for submission of abstracts begins : 1 March, 2011  
Last date for submission of abstracts : 30 June, 2011  
Early bird registration : 1 June, 2011 - 31Aug, 2011

