



Fish Health Section (FHS) of the
Asian Fisheries Society (AFS)
proudly presents



6TH SYMPOSIUM ON DISEASES IN ASIAN AQUACULTURE

Aquatic animal health:
facing new challenges



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25-28 October 2005
Colombo Plaza Hotel, Colombo, Sri Lanka
www.daasix.org

OVERVIEW

The Fish Health Section (FHS) of the Asian Fisheries Society (AFS) proudly announces the "Sixth Symposium on Diseases in Asian Aquaculture (**DAA VI**)" with the theme "Aquatic Animal Health – Facing New Challenges" which will be held from 25 to 28 October 2005 in Colombo, Sri Lanka. A workshop, a training course, an expert consultation and the 7th Triennial General Meeting (TGM-7) of Fish Health Section are being planned in conjunction with **DAA VI**.

Founded in May 1989, the FHS has the following objectives: (a) to promote effective interaction and cooperation among persons involved in aquatic animal research; (b) to encourage and promote investigation and advances in knowledge of aquatic animal health; (c) to focus attention on aquatic animal health problems by disseminating technical and other information on all aspects of aquatic animal health; and (d) promote the proper implementation of effective aquatic animal health protection practices in the region.

The FHS, holds on a regular basis, a triennial "Symposium on Diseases in Asian Aquaculture" (**DAA**), a meeting of members and aquatic animal health professionals to discuss broad issues and specific topics related to aquatic animal health; compiles and disseminates proceedings, notes, abstracts of Section-sponsored conferences and workshops and other relevant information on aquatic animal health; promotes the development and use of standardized, internationally accepted techniques for the detection and diagnosis of diseases of aquatic animals of regional importance.

Five previous Symposia; Bali - Indonesia – 1990, Phuket - Thailand – 1993, Bangkok – Thailand – 1996, Cebu - Philippines – 1999 and Goldcoast – Australia – 2002), each brought together more than 200 aquatic animal health scientists, students, researchers and industry personnel from some 30 countries to discuss disease related problems affecting aquaculture production and to find solutions for them. Please visit the FHS website at <http://afs-fhs.seafdec.org.ph/> for more detailed information about the society and **DAA**.

The Sixth Symposium – **DAA VI** – is expected to attract more participants from all around the world, to discuss their experiences and strategies for improving aquatic animal health in Asia, in the beautiful island of Sri Lanka.

THEME - Aquatic Animal Health: Facing New Challenges

The theme of the Symposium, "Aquatic Animal Health: Facing New Challenges" is an appropriate discussion topic in support of present day efforts in increasing aquatic food availability through sustainable and responsible aquatic production.

Although production of aquatic food through aquaculture is the fastest growing food-production sector in the world, diseases are a primary constraint to the growth of the aquaculture sector in many parts of the world. A multitude of factors has contributed to the health problems currently faced by aquaculture. Over the past three decades, aquaculture has expanded, intensified, and diversified, based heavily on movements of live aquatic animals and animal products (broodstock, seed, and feed). This trend has been triggered by changing circumstances and perspectives, especially world trade liberalization. New outlooks and directions have accelerated the accidental spread and incursion of diseases into new populations and geographic regions, for example, through movements of hatchery produced stocks, new species for culture, enhancement and development of the ornamental fish trade.

Translocation of pathogens and diseases with movements of their hosts is, by no means, a new phenomenon, however, it has only recently gained focussed attention in many regions. Advances in live aquatic animal trade, facilitated by improved transportation efficiency, are now recognized as having played a pivotal role in the introduction and spread of pathogens and diseases into many aquaculture systems. There is now convincing evidence of the serious socio-economic, environmental and international trade consequences arising from trans-boundary aquatic animal diseases.

Programme at a glance - October 24-28, 2005	
Monday, 24 (from 1700 hrs)	Registration Ice breaker
Tuesday, 25 (from 0800 hrs)	Registration Technical Sessions Symposium Dinner
Wednesday, 26 (from 0800 hrs)	Technical Sessions FHS/AFS Seventh Triennial General Meeting (TGM-7)
Thursday, 27 (from 0800 hrs)	Technical Sessions
Friday, 28 (from 0800 hrs)	Technical Sessions Symposium Banquet/ Farewell Dinner

The aquatic environment is a complex ecosystem, which makes the distinction between health, sub-optimal performance and disease obscure. During disease outbreaks, the underlying cause is often difficult to ascertain and is usually the end result of a series of linked events involving environmental factors, health condition of the stocks, presence of an infectious agent and/or poor husbandry and management practices. The whole aquatic production environment, including ecological processes, must be taken into consideration. Therefore, an aquatic system health management approach needs to be developed to replace the more traditional pathogen-focused approach applied traditionally to disease diagnosis.

Currently, whether we like or not, aquaculture has a tarnished image, certainly based on unfounded and wrong interpretation of the sectoral performance, only considering some localised negative impacts, and ignoring the real contribution it makes to the world food production. Disease and health, negative impacts of spread of pathogens to wild populations, implications of unregulated use of antibacterial and therapeutics, human health risks stemming from use of chemicals, etc., are some of those allegations.

Novel approach to aquatic animal health and health management is necessary in the new millennium to not only reduce such impacts, but also to be proactive in responsible and sustainable aquatic production to meet the future demand for fish.

These new approaches have become “new challenges” in aquatic animal health management. Taking into account the importance given to producing aquatic products which are safe to consumers, sound to the environment and profitable to the producers, the aquatic animal health management concepts must be changed to accommodate them. In an era of globalization and significant trade liberalization, aquatic animal health management faces further challenges in supporting positively towards compliance to relevant international treaties and agreements.

The **DAA VI** is designed to discuss these issues and find opportunities for better health management in aquatic production.

Thus the theme of this symposium; “Aquatic Animal Health: Facing New Challenges”. The symposium covers broad range of topics such as technological advancement, biosecurity, risk assessment, codes of practice, better management, and regional cooperation, - in an attempt to better understand the new challenges that the sector is facing, and thereby find the opportunities for moving forward.

TECHNICAL PROGRAMME AND KEYNOTE ADDRESSES

Under a wide range of topics and themes, the Symposium will have more than 10 Keynote Addresses by leading world experts and about 40 oral presentations by researchers, scientists, farmers and students. There will be a lot of space for posters too. The thematic sessions, keynote addresses and tentative speakers (subject to confirmation) are listed below:

Technology - Prof. Sandra Adams

- Recent technological advancements in aquatic animal health and their contribution towards reducing disease risks: a review

Biosecurity - Dr Peter Beers

- Maintaining biosecurity in aquaculture systems: a constraint or a challenge?

Risk analysis - Dr J. Richard Arthur

- Pathogen risk assessment: a must for transboundary movement of aquatics?

Food safety - Prof. Jay Levine

- Challenges for improving safety of aquatic food: an aquatic animal health perspective

International trade - Dr Eva-Maria Bernoth

- International trade in aquatic animals - a risk to aquatic animal health status?

Finfish Health - Dr Sharon McGladdery

- How to be prepared to handle aquatic animal disease emergencies?

Mollusc health - Dr Franck Berthe

- Effective mollusc health management: do we need a new approach?

Crustacean health

- Shrimp disease control: the past, present and future. Prof. Don Lightner
- Codes of practice and better management: a solution for shrimp health management? Dr Flavio Corsin

Stakeholder participation and regional cooperation

- Aquatic animal health management: a shared responsibility? Prof. Barry Hill
- Regional and international co-operation in aquatic animal health management: the future - Dr Melba Reantaso

The way forward

- Veterinary responses to aquatic animal health and disease: Applications to Asia and elsewhere - Dr A. David Scarfe

Invited address

- Fish Pathology Certification Scheme – a necessity or a reality for Asian fish health workers? TBI
- Insurance against disease and health: a reality for Asian aquaculture? TBI

Keynote addresses will be presented as joint papers by groups of experts on the particular subjects - a novel approach that will provide opportunity for many experts to be involved in the process. **For further details please visit: www.daasix.org**

VENUE

The **DAA VI** will be held at Colombo Plaza Hotel, Colombo, formerly known as Lanka Oberoi, a hotel well located on Galle road, near the business district and in close proximity to the main arterial road. The hotel is surrounded by 10 acres of beautifully landscaped garden. Besides its excellent conference facilities, it offers 500 modern furnished rooms with all in-room facilities and amenities.

ACCOMMODATION

Accommodation is arranged in several five and four star hotels in Colombo, including the Colombo Plaza Hotel, where the symposium will be held. For details visit the **DAA VI** Website: www.daasix.org



Hotel Hilton, Colombo

PRESENTATIONS

DAA VI invites both oral and poster presentations on themes and subjects of interest to diseases in Asian aquaculture. The deadline for submission of abstracts is 30 August 2005. Details are available at **DAA VI** Website: www.daasix.org

STUDENT AWARDS AND TRAVEL ASSISTANCE

The FHS/AFS encourages active involvement of students and will offer support and opportunities for attending the Sixth Symposium on Diseases in Asian Aquaculture (**DAA VI**). The following information will be of interest to students (members of FHS/AFS or non-members) who plan to attend **DAA VI**.

The FHS/AFS will provide three awards for presentations from students. The awards will be judged on the submitted abstracts by a panel of three experts based on the following criteria: (a) Clarity, impact of work and (b) Experimental design, interpretation, conclusion. The decision of the judges will be final. Awards will be announced at the Farewell Dinner on Thursday 28 October 2005.

The FHS/AFS will also provide financial assistance for up to 15 students from the Asia-Pacific region to attend the Symposium. Students requesting assistance must be registered as a student at a recognized university or institute of higher learning or have completed a post-graduate degree within the past 2 years. Applications for financial assistance should include:

- Abstract of **DAA VI** presentation
- Short (1 page) curriculum vitae
- Request and justification for financial assistance signed by academic supervisor
- Statement of importance of attending the Symposium.

Applications should be sent to Dr Melba B. Reantaso, Chairperson, FHS Executive Committee (2002-2005) at Melba.Reantaso@fao.org by 30 June 2005. Applications will be judged on merit by an international panel comprising the joint Program/Organizing Committee and successful applicants will be notified by 15 August 2005. The decision of the selection panel will be final.





REGISTRATION FORM

• Please return this form with payment to the address above • Register by credit card. • Use one form per person. Please copy this form for a refund minus 25% handling. Cancellations must be done in writing and issued after the conference.

PLEASE PRINT CLEARLY OR TYPE ALL

1. NAME BADGE INFORMATION: (As you want your name badge to read)

First Name _____ SURNAME (FAMILY NAME) _____

Company / Institution _____
 (Limited to 40 Letters & Spaces)

City _____ State/Prov _____

2. MAILING INFORMATION: E-mail _____

Address _____

City _____ State / Prov _____

Tel _____ Fax _____
 (Include country and city code) (Include country and city code)

3. REGISTRATION FEES: In order to receive the discount rates as listed below

Registration Types	Before 30 August 2005
Member	<input type="checkbox"/> US\$ 300
Non-Member	<input type="checkbox"/> US\$ 400
Student	<input type="checkbox"/> US\$ 175

† Do not mail registration after Sep 30th, 2005.
 After Sep. 30th, please register at site

Registration Confirmation and Receipt will be emailed after processing

By Bank Draft

Drawn in favour of "Ace Travels & Conventions (Pvt) Ltd" and Conference Organizer, (address indicated above). Please attach a copy of the bank draft to facilitate easy action.

By Credit Cards (Master / Visa)

If payment is by credit card, the Conference Organizer – please email a "Mail Order Form" seeking details of the credit card and mode of payment.

Please note: Wire transfers are not acceptable.

Address for Registration Form and Payment in Sri Lanka
Conference Organizers,
Symposium on Diseases in Asian Aquaculture (DAA VI)
Ace Travels & Conventions (Pvt.) Ltd.
 15, Vauxhall Street, Colombo 2, Sri Lanka
 Telephone: +94 11 2300589, +94 11 2300590
 Telex/Fax: +94 11 2331816
 E-mail: 6TH.DAA@aitkenspence.lk

Registration can be faxed (Fax: +94 11 2331816) if paying by additional people. • Cancelled registrations will receive a refund and be received by Sep. 24th, 2005. Refunds will be

REQUESTED INFORMATION

Name (No titles, please)

(NAME) _____

Country _____

Postal Code _____ Country _____

Title: (circle one) Dr. Mr. Ms. Mrs.

(and city code)

This form and payment must be received by the date listed.

	After 30 August 2005
<input type="checkbox"/>	US\$ 350
<input type="checkbox"/>	US\$ 450
<input type="checkbox"/>	US\$ 175

TOTAL AMOUNT US\$ _____

Processing.

and posted by registered mail to the DAA VI Conference
 copy of your "Hotel Reservation Form" for order and to

Ace Travels & Conventions (Pvt) Ltd., will send by fax/
 card and also signature of authorization by holder for



FISH HEALTH SECTION OF THE ASIAN FISHERIES SOCIETY (FHS/AFS)

The FHS/AFS Executive Committee for the period 2002-2005 was elected during the Sixth Triennial General Meeting held in Brisbane, Queensland, Australia on 26 November 2002 in conjunction with the Fifth Symposium on Diseases in Asian Aquaculture (**DAA V**). The elected officials are:

Chairperson:	Dr Melba G. Bondad-Reantaso (Philippines/Italy)
Vice-Chairperson:	Prof. Takashi Aoki (Japan)
Secretary-Treasurer:	Dr Peter Walker (Australia)
Members:	Dr Indrani Karunasagar (India) Dr Supranee Chinabut (Thailand) Dr Agus Sunarto (Indonesia) Dr Kwang-Sik Choi (Korea RO) Dr Mangalika Hettiarachchi (Sri Lanka) Dr Chu-Fang Lo (Taiwan) Dr Pornlerd Chanratchakool (Thailand) Dr Celia R. Lavilla-Torres (Newsletter Editor, Philippines)

DAA VI INTERNATIONAL SCIENTIFIC PROGRAMME COMMITTEE (ISPC)

Dr Rohana Subasinghe (Sri Lanka/Italy) - Chairperson
Dr Victoria Alday-Sanz (Spain/Belgium)
Prof. Takashi Aoki (Japan)
Dr Chris Baldock (Australia)
Dr Franck Berthe (France/Canada)
Dr Maria Cristina Chavez Sanchez (Mexico)
Dr Supranee Chinabut (Thailand)
Prof. Timothy W. Flegel (Canada/Thailand)
Dr Mangalika Hettiarachchi (Sri Lanka)
Prof. Barry Hill (UK)
Prof. Jay Levine (USA)
Dr C.V. Mohan (India/Thailand)
Dr Melba B. Reantaso (Philippines/Italy)
Dr David Scarfe (USA)
Prof. Mohammed Shariff (Malaysia)
Dr Peter Walker (Australia)

SRI LANKA

Sri Lanka's idyllic landscape and a mercurial mix of opportunities make it the ultimate holiday destination. You can combine work and pleasure by attending the **DAA VI!**

May you have the gift of long life! With this traditional greeting, **DAA VI** welcomes you to Sri Lanka, the Garden of Eden, "the original paradise, amid scenes as beautiful as the hand of God ever created". Many a traveller before you, from ancient mariners and merchants, to modern astronauts and businesspeople, have been seduced by the tantalizing beauty of the colours and costumes of this land which, according to Mark Twain, were "All harmonious, all in perfect taste".



Today's Sri Lanka welcome its visitors to experience the nation's glittering tapestry of culture, and the rich abundance of nature, so handsomely bestowed, and to give credence to the old adage – that good things come in small packages.

Sri Lanka's archaeological treasures bear testimony to a civilization that spanned the golden age of Periclean Greece, the Roman Empire, Mayan citadels, and Napoleonic grandeur. The resultant legacy is a culture embellished by the more recent influences of Western colonizers, and Eastern traders, producing a mercurial mix of races and religions, arts and crafts, festivals and costumes that enchant the visitor with their exquisite variety.

Colombo, the main point of entry, is a bustling metropolis of big businesses and small bazaars; while Kandy – the last royal citadel – is the cultural center and home to the legendary Temple of the Sacred Toot Relic, and the spectacular festivals of the perahera. Galle, the ancient port of Tarshish, is a town within a medieval fortress; while Nuwara Eliya, in the salubrious

up-country, nestles amidst picturesque tea gardens and dazzling waterfalls. In the "Rajarata", or king's domain, are the ancient cities of Anuradhpura, Polonnaruwa, Dambulla and Sigiriya - all treasured.

Cities and resorts cater to visitors, with

hotels ranging from the luxury five-star class, international chain properties, to the much more moderate-budget hostels. Most hotels offer a culinary extravaganza to pamper guests with a variety of cuisine from the East and the West, as well as local dishes that reflect the elastic tastes of seafarers, invaders, and traders that came ashore over the centuries.



SOCIAL EVENTS

Thinking of you and your companions attending DAAVI, we have organised several pre and post tours and a package of social events. They include:

- Glimps of Sri Lanka - 04 days
- Glories of the past - 04 days
- The misty mountains - 03 days
- Encounters with nature and wildlife - 04 days

Please visit **DAA VI** Website for details: www.daasix.org





DELEGATE DETAILS (Please print clearly)

Title Prof. Dr. Mr. Ms.

Last Name First Name.....

Address

Postal Code..... Country.....

Telephone..... Fax.....
 (Including country code & area code)

Email.....

Accompanying Person/s:.....

ACCOMMODATION (Please tick the appropriate box)

I wish for a single or double room to be reserved for me at the following hotel.

Category I (5 star)	Category II (4 star)
Colombo Plaza <input type="checkbox"/>	Galle Face Hotel <input type="checkbox"/>
Taj Samudra <input type="checkbox"/>	Holiday Inn <input type="checkbox"/>
Ceylon Continental <input type="checkbox"/>	
Single, Bed & Breakfast US\$ 71/-per night	Single, Bed & Breakfast US\$ 58/-per night
Double, Bed & Breakfast US\$ 83/-per night	Double, Bed & Breakfast US\$ 71/-per night

Check-In Date Check-Out Date No. of Nights

Do not reserve accommodation for me as I shall be sharing with a colleague
 Name of ColleagueHotel.....

Do not reserve accommodation for me as I shall be making my own arrangements.

ARRIVAL / DEPARTURE INFORMATION

Arrival Date..... Time..... Departure Date..... Time.....
 (In Sri Lanka) (In Sri Lanka)

Arrival Flight No..... Departure Flight No.....

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for further details please contact
Melba.Reantaso@fao.org

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May, 2005