



# Asian Fisheries Society | E-Newsletter



## SPECIAL REPORT

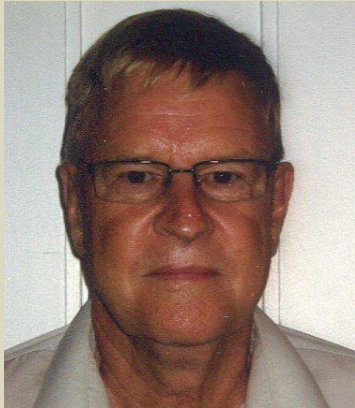
Report on the 9th Asian Fisheries and Aquaculture Forum (9AFAF)

Report on the 3<sup>rd</sup> Global Symposium on Gender in Aquaculture and Fisheries

Editor: Dr. Modadugu V Gupta

## President's Message

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As the new President of the Asian Fisheries Society (AFS), I am looking forward to my short time at the helm of the AFS. Because the 9AFAF was delayed a bit, I will preside over AFS for only two years, but although this period is short I would like to make a difference. My main goal during this period will be to make the Society more relevant and useful to its members, especially its younger members – the scientists of tomorrow. The Society started with a large number of members and considerable enthusiasm to provide a platform to promote effective interaction and cooperation among scientists and technicians involved in fisheries research and development in Asia with a view to encouraging and facilitating research activity complementation, sharing of information and publication of research results. In the early days, the Society certainly achieved this goal but in recent times the interaction and cooperation has declined along with the number of active members. As the new President I will be seeking active feedback on how we can improve this situation, especially through the use of more modern social networking and communication tools.

2011 has already been a big year for AFS. The 9AFAF held at the Shanghai Ocean University was a great success. The forum was attended by 748 participants – 484 international and 264 local (including Taiwan and Hong Kong). Participants came from 46 countries, covering Europe, Asia, Oceania, America and the Middle East. A total of 772 abstracts were included in the 9AFAF Book of Abstracts; 539 oral presentations and 233 posters. During the forum about 400 oral presentations were given during 22 sessions and 175 posters were presented. A total of 34 companies and institutions joined the 9 AF AF Trade Exhibition and the forum provided a large income for the AFS, money that can be spent over the next two years to improve the AFS.

We have also just heard that the International Seafood Sustainability Foundation (ISSF) has just provided AFS with a generous grant for the new AsiaPacific-Fish Watch Project to complete web pages for four species of tuna - skipjack tuna (*Katsuwonus pelamis*), yellowfin tuna (*Thunnus albacores*), bigeye tuna (*Thunnus obesus*) and albacore (*Thunnus alalunga*). To redress the public knowledge gap for Asia-Pacific fisheries, the Asian Fisheries Society has developed and is starting to implement **AsiaPacific-FishWatch** that will give users access to direct, authoritative online information about Asia-Pacific fisheries. Conservationists, consumer groups and social welfare agencies will be able to use **AsiaPacific-FishWatch** to compose consumer guides, brochures and educational materials for a variety of media and audiences. Experts will use it to get comprehensive and authoritative information rapidly for in-depth projects and reference. Among the thousands of aquatic species produced in the Asia-Pacific region, skipjack, yellowfin, bigeye and albacore tuna are of high priority for **AsiaPacific-FishWatch** because they are fisheries of global trade, ecological and employment significance. Some of the other species that will be included in **AsiaPacific-FishWatch** are by-catch species in tuna fisheries.

As President of AFS, I welcome the new 10<sup>th</sup> Council of the Society. The Councilors for the period are:

1. Dr. Derek Staples; President
2. Prof. Hisashi Kurokura Vice President
3. Prof. Ida Siasson: Past President
4. Dr. Aziz Arshad (Malaysia) Treasurer
5. Dr. Zuridah Merican (Malaysia) Secretary
6. Prof. Huang Shou-Lin (China)
7. Dr. Yi Soon-Kil (South Korea)
8. Prof. Shiau Shi-Yen (Taiwan)
9. Dr. Fedi Sondita (Indonesia)
10. Dr. Joebert Toledo (Philippines)
11. Prof. M. C. Nandeesha (India)
12. Prof. Choi Sang-Duk (South Korea)
13. Dr. Sirawut Klingbunga (Thailand)
14. Prof. Wu XinZhong (China)
15. Prof. Neil Loneragan (Australia)
16. Prof. Jeong-Yeol Lee (Korea) – coopted member

On behalf of the 10<sup>th</sup> Council I would like to let members know that we are ready to serve you during the period of 2011-2013 and look forward to your feedback and active participation to making AFS and better Society that is relevant to its members.

### **Derek Staples**

President AFS

## **Japan after the Earthquake**

The Great East Japan Earthquake of magnitude 9.0 occurred on March 11, 2011, followed by tsunami with wave height of over 10 m, impacting heavy damage on the Prefectures of Iwate, Miyagi and Fukushima. The number of dead and missing persons was estimated at over 24,000.

Fisheries and aquaculture industries in east Japan, namely the Prefectures of Hokkaido, Aomori, Iwate, Miyagi, Fukushima, Ibaragi and Chiba were heavily damaged. This is the area from where 54.7% of Japan's fish production and 40.1% of mariculture production comes. Nearly 100% of scallop, more than 90% of Salmonids, more than 80% of Japanese Saury and nearly 80% of Wakame (brown seaweed) are produced from this area.



The monetary loss is estimated at JPY 12.6 billion (100 JPY = 1.24 US\$) towards damage of markets and processing facilities, JPY 138.4 billion from damage to 20,718 fishing boats, JPY 644.2 billion from damage to 319 fishing ports and JPY 45.5 billion towards damage to aquaculture facilities.



Many academic bodies and scientists in fisheries-related areas offered help to the affected areas including donation of money and provision of research facilities and instruments to researchers and students in the affected area. The Japanese Society of Fisheries Science on 29 March 2011 organized a discussion meeting to address action needed for the recovery of damaged fisheries and drafted an Action Plan for the same.

A major threat was radioactive contamination of aquatic life as a result of leakage of radioactive material from the Fukushima nuclear power plant. So far, no contamination of aquatic life was observed.

I want to express my thanks to fisheries scientists from different parts of the world, especially from Asia, who were concerned with my safety.

*Contributed by Hisashi Kurokura*

## News from Taiwan

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### ■ NRC – Nutrient Requirements of Fish and Shrimp (2011)

The continued growth of the aquatic farming industry depends on the development of nutritious feed that maximize fish growth and health while minimizing the environmental impacts caused by uneaten feed and animal waste – a challenge that can be met with updated information on the nutritional requirements of fish and shrimp. In light of this, the US National Academy of Sciences appointed Committee of 10 experts (5 from US, the rest international) on Nutrient Requirements of Fish and Shrimp in February 2009 to address this task.

Prof. Shi-Yen Shiau of National Taiwan Ocean University is the only Committee member from Asia. After more than 2 years of hard work, the Committee's report has been released in June 2011 by the National Academy of Sciences (<http://dels.nas.edu/banr>). This report, the latest in a series of National Research Council (NRC) reports on the nutritional needs of fish and shrimp, evaluates the most recent scientific literature on the nutrient requirement of commercially important species of fish and shrimp. The report also reviews the role of aquaculture feeds in determining the nutritional value of seafood to humans, and identifies critical research needs for better defining fish and shrimp nutrient requirements.

## ■ 2011 Annual Meeting of the Ichthyological Society of Taiwan

The 2011 Annual Meeting of the Ichthyological Society of Taiwan coincided with the Chinese Ichthyology Conference and was held on May 7, 2011 at National Taiwan University in Taipei, Taiwan. This joint conference not only brought together hundreds leading ichthyological scientists and industrial people in Taiwan, but also attracted more than 20 fish scientists from mainland China who presented their research work.

*Contributed by Shi-Yen Shiau*

## The 9<sup>th</sup> Indian Fisheries Forum (9iff)



### ***Theme: Renaissance in Fisheries: Outlook & Strategies***

The Indian Branch of the Asian Fisheries Society (AFSIB), since its inception in 1986, has been holding the Indian Fisheries Forum (IFF) once in three years. The 9<sup>th</sup> IFF will be hosted by the Central Marine Fisheries Research Institute from 19 to 23 December, 2011 at Chennai, India.

#### **Theme and Objectives:**

The main theme of the 9<sup>th</sup> Indian Fisheries Forum is "***Renaissance in Fisheries: Outlook & Strategies***" with the objectives:

1. Provide a scientific platform to deliberate on research accomplishments and to identify the research and development needs of the sector;
2. Prepare strategies for bringing in awareness on environmental issues and socio-economic benefits for better technology transfer;
3. Understand modern techniques of resource management and sustainable utilization;
4. Encourage young scientists to undertake need-based and resource specific research; and
5. Address the issues of resource constraint and species diversification for the expansion of fish production.

#### **Technical Sessions:**

There will be 8 Technical Sessions:

1. Fishery Resources, Recreational Fisheries and Sustainable management.
2. Aquaculture Production, Nutrition and Fish Health
3. Genetics, Breeding and Biotechnology
4. Environment Impacts and Aquatic Health
5. Harvest and Post-harvest Technology
6. Socio-economics, Marketing and Livelihood
7. Fisheries Trade, Policies and Governance
8. Climate Change and Natural Disaster Management.

**ABSTRACT SUBMISSION:** Extended Abstracts are to be submitted online through the website [www.9iff.org](http://www.9iff.org). The last date for submission of extended abstracts is **30 September, 2011**. All the authors of the accepted research papers will be given an opportunity to present their papers in oral/poster sessions.

The papers presented in the forum will be reviewed and if found suitable will be considered for publication in Indian ***Journal of Fisheries***.

**International Symposium:** An international symposium sponsored by the Bay of Bengal Large Marine Ecosystem (BoBLME) is scheduled to be held during the forum on 21 December, 2011 on the theme ***Bay of Bengal–Ecosystem Approach to Fisheries Management.***

**FISHERS’/FARMERS’ MEET:** An interaction of the fishers, aquafarmers, entrepreneurs, scientists, policy makers and other stakeholders will be organized during the Forum on the emerging policy issues, to prioritize problems and resolve the concerns of the farmers and fishers by developing suitable research and development policies for the fisheries and aquaculture sectors of the country.

**AWARDS:**

The Asian Fisheries Society Indian Branch will present the following three awards at the Forum

1. Young Scientist Award
2. Prof. H.P.C Shetty Award
3. Professors T.J. Pandian and A.J. Matty Award

The awards instituted by other agencies which will be presented at the Forum are:

1. Dr. Pillay Aquaculture Award
2. Shri J.V.H. Dixitulu Award

Details on the criteria, application form and requirements are given in the website [www.9iff.org](http://www.9iff.org)

**EXHIBITION:** The premier research institutes, NGOs, state governments, entrepreneurs etc. will take part in the exhibition arranged at the venue of the forum.

**AFSIB GENERAL BODY & ELECTION:** The general body and election of AFSIB will be held during the forum to elect the new Chairman, Vice-Chairman, Secretary, Treasurer and Executive Members.

**REGISTRATION:** All participants should register before the forum.

The Registration fee is as follows:-

**Delegates from outside India**

Members of AFS/AFSIB.....US \$ 200  
Non-members of AFS/AFSIB.....US \$ 300

**Indian delegates**

Members of AFS/AFSIB.....INR. 4500  
Non-members of AFS/AFSIB.....INR. 5000  
Students .....INR. 3000  
Observers & Spouses.....INR. 2000

**Post Forum Tour:** Post-forum tours will be organized by the Event Manager to provide an opportunity for the participants to visit places of tourist interests.

**For further information please visit Forum website at: [www.9iff.org](http://www.9iff.org) or e-mail to: [contact9iff@gmail.com](mailto:contact9iff@gmail.com)**

# 8<sup>th</sup> Symposium on Diseases in Asian Aquaculture

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The Fish Health Section (FHS) of Asian Fisheries Society has been organising triennial symposia where members and aquatic animal health professionals meet to discuss issues and specific topics related to aquatic animal health. The 8<sup>th</sup> symposium in the series on Diseases in Asian Aquaculture with the theme “Fish Health for Food Security” is being held in Mangalore, India on 21-25 November 2011, in collaboration with Fisheries College of the Karnataka Veterinary, Animal and Fisheries Sciences University, India.

Sessions planned for the symposium include:

- Fish health, public health, and environmental health – synergies
- Global aquaculture – problems and prospects
- Emerging and re-emerging diseases of finfish and shell fish
- Invertebrate immunity
- Fish immunity
- Diagnostic methods for aquatic pathogens
- Disease management strategies
- Biosecurity principles in aquaculture
- Vaccine development and delivery
- Alternatives to antimicrobials
- Genomics, proteomics and bioinformatics in study of pathogens
- Pathogen risk analysis and epidemiology
- International aquatic health standards, quarantine and notification.

The symposium is open to all those interested and involved in the field of aquatic animal health. Registration and submission of abstracts can be done on on-line.

The 9<sup>th</sup> Triennial General Meeting of FHS will be held in conjunction with the symposium.

For further information please visit: [www.daa8.org](http://www.daa8.org)

# Report on 9AFAF

The 9<sup>th</sup> Asian Fisheries and Aquaculture Forum (9AFAF) was successfully held at Shanghai Ocean University during 21-23 April 2011 and was attended by 748 participants from over 44 countries (see list below).

## Participants at 9AFAF

Country	Number	Country	Number
Thailand	76	Brazil	3
Malaysia	39	Tanzania	2
Philippines	26	Bangladesh	2
USA	26	Belgium	2
Australia	24	Denmark	2
Japan	24	France	2
India	21	Ghana	2
Cambodia	15	Israel	2
Korea,South Korea	14	Kenya	2
Vietnam	13	Netherlands	2
Canada	9	Chile	1
Indonesia	8	Costa Rica	1
Laos	8	Egypt	1
UK	7	Hungary	1
Italy	6	Ireland	1
Norway	6	Kuwait	1
Turkey	6	Mexico	1
Namibia	4	Nigeria	1
Nepal	4	Oman	1
Singapore	4	Peru	1
Sri Lanka	3	Scotland	1
Germany	3	Spain	1
Others(not sure)	105		

A total of 877 abstracts were received by the 9AFAF Secretariat including 147 for 9ISTA and 41 for SSES. Of these 604 abstracts were meant for oral presentation and 273 abstracts for poster presentation. 772 abstracts have been included in 9AFAF BOOK OF ABSTRACTS. About 400 oral presentations were made in 22 sessions during April 21 – 23 and 175 posters were posted.

34 companies, organizations and institution joined 9AFAF Trade Exhibition, of which 20 were from China and the rest 14 from other countries.

Secretariat of 9AFAF Local Organizing Committee



# Report on the 3<sup>rd</sup> Global Symposium on Gender in Aquaculture and Fisheries

## SHINING A LIGHT ON GENDER IN AQUACULTURE AND FISHERIES



The 3<sup>rd</sup> Global Symposium on Gender in Aquaculture and Fisheries (GAF3) (<http://genderaquafish.org/>) was held as part of the 9<sup>th</sup> Asian Fisheries and Aquaculture Forum at Shanghai Ocean University, 21-23 April 2011. GAF3 was supported by the Asian Fisheries Society, the Food and Agriculture Organization (FAO), the National Network on Women in Fisheries in the Philippines, Inc., the FAO-Spain Regional Fisheries Livelihood Programme for South and Southeast Asia, the Indian Council of Agricultural Research, Shanghai Ocean University and Mundus Maris plus the enthusiastic personal support of all presenters and their organizations. All supporters are gratefully acknowledged.

GAF3 was the 5<sup>th</sup> women/gender in fisheries/aquaculture symposium in the series hosted by AFS over the past 13 years.

At GAF3, 48 papers were presented, 41 oral papers and 7 posters, as well as a discussion session in preparation for the FAO Special Workshop that followed GAF3. Presentations, posters and an overview report are all available on the website (<http://genderaquafish.org/gaf3-2/>). Presentations covered the following geographic areas: global – 9 presentations; countries – *Asia*: Bangladesh, Cambodia, China, India, Indonesia, Japan, Korea, Malaysia, Nepal, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam; *Africa*: Namibia, Tanzania; regions; South and Southeast Asia, Pacific, Europe. Presenters came from 21 countries.

On 23-24 April 2011, FAO convened a Special Workshop on “Future Directions for Gender in Aquaculture and Fisheries Action, Research and Development”. FAO will report on the outcomes of this Special Workshop elsewhere and notice of outputs will be posted on the website.

The GAF3 Organizing Committee which was responsible for the design and organization was: Meryl Williams (Chair), Melba Reantaso (Vice Chair), Choo Poh Sze (Vice Chair), Rosario H Asong, Katia Frangoudes, Kibria Ghulam, Mafaniso Hara, Hisashi Kurokura, Kyoko Kusakabe, M. C. Nandeesh, Marilyn Porter, Ida Siason, Katherine Snyder, Kripa Vasant, Nireka Weeratunge, Stella Williams, Sijie Xu, Veikila Vuki, Yinghua Xu.

Manuscripts submitted from among the GAF3 presentations are now under review and editing for publication in a Special Issue of Asian Fisheries Science journal in early 2012. The co-editors are: Poh Sze Choo, Nikita Gopal, Kyoko Kusakabe, Marilyn Porter, Melba Reantaso, Veikila Vuki and Meryl Williams.

AFS members are invited to read the various GAF3 reports at <http://genderaquafish.org/gaf3-2/gaf3-reports/>. Common themes from the papers of the Symposium were that:

- social context needs deeper diagnosis than gender alone in order to understand the complex ‘back stories’ in fisheries and aquaculture production;
- women are still invisible and often marginal in the fish sector, trade and in natural resource management, although mainstream exceptions exist;
- the conundrum of women’s access to micro-finance yet lack of progress in building assets; and
- the struggles and successes of achieving gender equality in institutions.

