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第九屆亞洲漁業和水產養殖論壇  
The 9<sup>th</sup> Asian Fisheries and Aquaculture Forum (9AFAP)



第九屆亞洲漁業和水產養殖  
Asian Fisheries and Aquaculture

亞洲水產學會  
ASIAN FISHERIES SOCIETY

Beijing Yu Jing Biotech Co. Ltd.  
Zhejiang Kesheng Feed Stock Co. Ltd.  
Ningbo Jessen Ocean Exploitation Co. Ltd.

Tong Wei Group Co. Ltd.  
Ningbo Tech-bank Co. Ltd.  
Baolai-leelai Biological En



9AFAP  
Apr 21-25 2013

# THE ASIAN FISHERIES SOCIETY

## 2013 SOCIETY



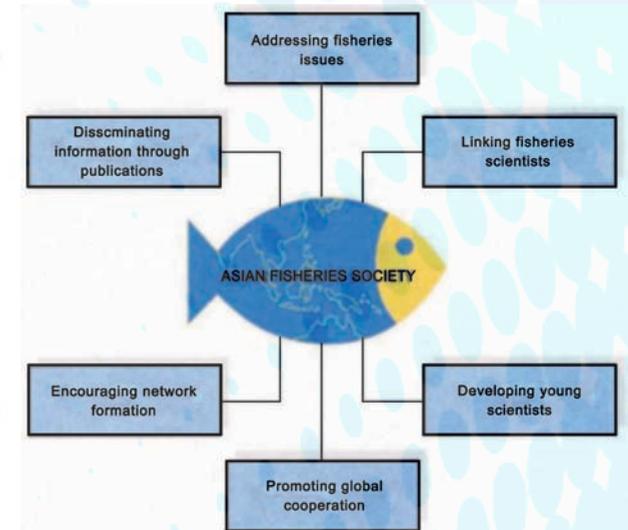
EIGHTH SYMPOSIUM  
ON  
ASIAN AQUACULTURE  
FOOD SECURITY



## OUR GOALS

### The primary objectives of the Society are:

- To promote effective interaction and cooperation among scientists and technicians involved in fisheries and aquaculture research and development in Asia with a view to encouraging and facilitating research activity complementation, sharing of information and publication of research results;
- To create and propagate awareness of the importance and ways of sustainable utilization, cultivation, conservation and development of aquatic resources in the region; and
- To promote the establishment of sections and local branches of the Society and national fisheries societies and to seek affiliation and cooperation with societies, organizations and institutions having similar objectives.



### These objectives are to be pursued by:

- Providing an effective mechanism, in the form of an Asian fisheries journal and an e–Newsletter for the dissemination of research and other relevant information on fisheries and aquaculture;
- Holding, on a regular basis, an Asian Fisheries Forum as a gathering of scientists, technicians and interested stakeholders who, in their professional capacities, can freely discuss broad issues and specific topics related to fisheries and aquaculture, and publishing the proceedings if deemed necessary;
- Providing further opportunities, as appropriate, for fisheries scientists, technicians and stakeholders to foregather by the holding of regular meetings, symposia, workshops, conferences and other gatherings; and
- Addressing important issues related to fisheries and aquaculture interests in the region.

*Asian Fisheries Society Constitution*

*Article III, Sections 1-4*

## President's Message



This triennium (2011–2013) has been shorter than most, due to the timing of the 9th Asian Fisheries and Aquaculture Forum (9AFAF) in Shanghai and 10AFAF in Yoesu. I am very pleased to present this Yearbook as a continuing record of the evolution of the Asian Fisheries Society (AFS).

The 10th Council, elected in Shanghai at 8AFAF, has continued to work hard for the Society, through the Executive Committee (Execom) and the Secretariat, to bring more benefits to Members, while still ensuring good governance of the Societies administrative requirements. My main goal at the beginning of this triennium was to make the Society more relevant and useful to its members, especially its younger members—the scientists of tomorrow. Activities to achieve this included (i) make AFS more accessible through social media, (ii) updating the web site to make it more functional, (iii) revitalising the e-newsletter, (iv) making AFS information more accessible, and (v) launching a membership campaign.

Progress on these activities has been steady, although at times frustratingly slow. The old AFS webpage was linked to Facebook and has received a significant number of "likes". The web site has been re-designed and developed to include online publication and an online membership subscription paying functionality. The June and December 2012 e-newsletter were the best ever, with interesting reports and great presentation. The AFS Journal—Asian Journal of Fisheries Science is greatly improved and is now available to all, not just AFS Members. It is hoped that this increased exposure of the Journal will encourage more Asian scientists to use the Journal as a vehicle to publish their research findings. Branches and Sections are actively recruiting new members and a big membership campaign for AFS will begin soon.

**More specifically, during the term of the 10th Council, the following achievements have been realised:**

- Finalizing the relocation of AFS Headquarters from Manila, Philippines to the Universti Putra Malaysia in Serdang, Selangor, Malaysia;
- Working with the Malaysian Fisheries Society and the Malaysian Department of Fisherys to hold the "Third International Symposium on Cage Culture in Asia" (CAA3) in Kuala Lumpur, November 2011;

- Working through the Gender in Aquaculture and Fisheries network, raised awareness of the gender inequality in aquaculture and fisheries in Asia; proposed research-based and gender-sensitive solutions for improving sector performance, and created an informal global focal point to encourage study of women and genderPartnering with the Indian Branch of AFS to hold its "9th Indian Fisheries Forum" (9IFF) in Chennai, December 2011;
- Celebrating the Silver Jubilee of the Indian Branch along with its "Global Symposium on Aquatic Resources for Eradicating Hunger and Malnutrition—Opportunities and Challenges" in Mangalore, December 2012;
- Supporting the Fish Health Section of the Asian Fisheries Society hold "The Eighth Symposium on Diseases in Asian Aquaculture" (DAA8);
- Redesigning and increasing the functionality of the AFS web site. This includes on-line administration of manuscripts for the Journal, and on-line registration and subscription facilities;
- Improving the visibility of the AFS Journal by making it more accessible to all through the web site;
- Improving relationships with AFS Branches and Sections;
- Developing information for four species of tuna as a start to populate the AsiaPacific web site; and
- Selecting and awarding Kanazawa Research Fellowships to Two PHD students.

In the last 12 months AFS has been busy, in partnership with the Korean Fisheries Society, organising the 10AFAF in Yoesu, which will be held from 30th April to 4th may, in conjunction with the "Fourth International Symposium on Cage Culture in Asia" (CAA4).

The Council would like to express its condolences to the family and friends of one of Councillors, Dr Nandeesha, who passed away in December 2012 after suffering a massive heart attack. He was one of our most active Councillors and served the AFS well, both in terms of his progressive ideas on how to improve the Society and through his tireless effort in the AFS Indian Branch.

On behalf of the Council, I would like to wish AFS members, partners and friends for their continuing support of the Society. We firmly believe that AFS will continue to grow and meet its goal of promoting interaction and cooperation among scientists, professionals and technicians in research and development for sustainable development of fisheries and aquaculture in Asia.

*Derek Staples*  
*President, AFS*

## OUR MEMBERS

Beginning with only 14 charter members, the Society had nearly 700 members from 42 countries by the end of its second year. Currently, Society membership comprises near 3,500 scientists (full members), primarily from Asia, as well as many persons (associates) and organizations (institutional and sustaining members) from 77 countries and territories. However, only 19% of these are active members (paid subscriptions). We call on existing members to keep their membership dues up to date to ensure services are maintained and the financial viability of the Society ensured. Full members comprise about 91% of the active membership, and of these, about 70% are holders of Masters or Ph.D. degrees.

### *Member profile (January 2013)*

	<i>Active</i>	<i>Non-active</i>	<i>Total</i>
<i>Full member</i>	617	2616	3233
<i>Institutional member</i>	8	24	32
<i>Student member</i>	55	137	192
<i>Honorary life member</i>			12
<i>Total</i>			<b>3469</b>

### **Membership categories are:**

- *Full members*—shall be individuals who are or have been engaged in fisheries and aquaculture research and development, and are interested in furthering the objectives of the Society;
- *Institutional members*—shall be those organizations which support the objectives of the Society;
- *Student members*—shall be individuals who are studying relevant subjects at the post-secondary level and have not yet completed their award requirements;
- *Honorary Life Membership*—may be conferred upon an individual by virtue of distinguished professional achievements in a field of fisheries and aquaculture or meritorious service to the Society. Such membership to be nominated by full members shall have to be approved by the Council;
- *Patrons*—shall be those persons who support the objectives of the Society;
- *Charter members*—those (14) who signed the original Society’s constitution.

<sup>1</sup> Membership dues can now be paid online of the new AFS web site [www.asianfisheriessociety.org](http://www.asianfisheriessociety.org)

In each category are a number of founding members. These are persons who responded enthusiastically to a questionnaire about the formation of a Society. They were subsequently sent a "founding member" application form. The Society currently still has 20 active founding members.

#### AFS Honorary Life Members

1986: Dr Shao–Wen Ling

1986: Dr Katsuzo Kuronuma

1992: Yasuo Ooshima

1992: Syed Zahoor Qasim

1995: I–Chiu Liao

1998: Thia–Eng Chua

1998: T.V.R. Pillay

2001: Edgardo D. Gomez

2004: Meryl J Williams

2007: Chan–Lui Lee

2007: Brian Davy

2009: Akio Kanazawa

2011: Beijing Yu Jing Biotech Co.Ltd., China

## HONORARY LIFE MEMBERS

In 1986, the Society recognized its first two Honorary Life Members. They were Dr. Shao–Wen Ling, the "father" of *Macrobrachium rosenbergii* (giant freshwater prawn) culture and Dr. Katsuzo Kuronuma, a well–known Japanese fisheries scientist. Since that time the honor has been bestowed on a further 9 prominent scientists in recognition of their contribution to Asian fisheries science and the AFS. Recent honors have been awarded to Dr. Meryl Williams who was awarded the Honorary Life Member during the 7th Asian Fisheries Forum (7AFF) in Penang, Malaysia held in 2004, in recognition of her contributions and achievements in fisheries sciences and as the Director General of WorldFish Center. In 2007 Drs. Brian Davy and Chan–Lui Lee were bestowed with the Honorary Life Members awards for their services to the Society and to Asian fisheries sciences during the 8AFF in Kochi, India. Dr. Brian Davey, one of the original Councilors and supporters of AFS, was recognized for his distinguished achievements in pioneering and extensive research in fisheries science and to his valuable contributions in coastal area management,

environment and marine pollution. Dr. Chan–Lui Lee, the President at the time, was recognized for his outstanding leadership as President of AFS from 2004–2007 and for successfully steering the society into sound operational strength and promoting activities that strengthen fisheries professionals. An Honorary Life Member Award was posthumously awarded to Prof. Emeritus Akio Kanazawa in 2009. The first institutional member to be awarded an honorary life award was Beijing Yu Jing Biotech Co. Ltd., China in 2011.



- ① *Honorary Life member, Dr. Shao–Wen Ling, the “father” of Macrobrachium (giant freshwater prawn) culture, (right) receives a plaque of recognition during the 1st General Assembly in 1986*
- ② *Dr. Katsuzo Kuronuma, well known Japanese fisheries scientist, receives a plaque of recognition as Honorary Life Member of the Society during the 1st General Assembly in 1986*
- ③ *Beijing Yu Jing Biotech Co., Ltd receives a plaque of recognition as Honorary Life Member of the Society during the 9AFAF in 2011*

## DISTINGUISHED MEMBERS

Gold Awards are bestowed to individuals or institutions in recognition of their significant contribution to the development of the Society.

In October 1995, the first Gold Award was given to Founding President, Dr. Chua Thia–Eng, for unselfishly contributing his scientific and managerial expertise in steering the Society to its international and respectable stature. Dr. Liu Hsi–Chiang received the second Gold Award in November 1998 in recognition of his managerial expertise, which helped in the development of the Society and for his untiring efforts to solicit financial support for various Society activities. Since then other recipients of the award have been Prof. Akio Kanazawa the founder of the Kanazawa Foundation was the recipient of the third Gold Award (November 1998), Dr. Sena De Silva for his role as the Editor of the Asian Fisheries Science Journal in 2004, Drs. Modadugu V. Gupta and M.C. Nandeeshia were bestowed with the Gold Awards for their outstanding contributions to Asian fisheries, aquaculture and to Society in 2007. In 2009, Dr. Ram Bhugel of the Asian Institute of Technology (AIT) and Prof. Pan Ying Jie of the Shanghai University were recognized for their contributions to the International Symposium on Aquaculture and Fisheries Education (ISAFE), held in Bangkok, Thailand. At 9AFAF in Shanghai in 2011 Prof Yang Yi (posthumous), Prof Mohan J Modayil, Dr Chan Lui Lee , Mr Michael Bernard New and Prof Ida Siason were all awarded Gold Awards.

- ④ 1998 Asian Fisheries Society Gold Awardees, Dr. Liu Hsi-Chiang (L) and Prof. Akio Kanazawa (R)
- ⑤ Dr. Chua Thia-Eng receiving gold medal Award from former presidents Dr. Liu Hsi-Chiang and Prof. Mohamed Shariff
- ⑥ AFS presented a Gold Medal award to UPM for their contribution to the Society in November 2008
- ⑦ Presentation of the AFS Gold Medal Awards at 9AFAP



The WorldFish Center was the first institution to be bestowed with the Gold Award in 2007 for its roles in eradicating poverty, supporting the Asian fisheries science and development, and the AFS activities since its founding 1984. In 2008, the Universiti Putra Malaysia was also recognized for its generous contribution to AFS for hosting the new headquarters on its campus. The AIT was awarded a Gold Award in 2009 for its support to AFS, as a partner in AFS activities in Asia-Pacific, hosting ISAFE and for its role in training many scientists. At 9AFAP in 2011 the Universiti Putra Malaysia (UPM), the Mekong River Commission (MRC), the Network of Aquaculture in Asia Pacific (NACA), FAO Department of Fisheries and Aquaculture, and Zhejiang Kesheng Feed Co. Ltd, China were all recognized with Gold Awards.



## MEMBERSHIP FEES

Recognizing that scientists in the Asian region are poorly paid, the Society did not impose annual dues, and until 1994, members paid only a one-time US\$10 entry fee.

In 1992, the General Assembly agreed that, apart from the entry fee, regular financial support (in the form of annual dues) from the membership was needed to sustain the Society's growth and activities, particularly publication of the Society journal, Asian Fisheries Science. It emphasized, however, that the dues should not burden the members. Three payment categories (based on country GNP) were drawn up to match members' ability to pay. Collection of annual membership dues began in 1994. The annual dues for the three categories of memberships then were US\$10, \$15 and \$25 per year.

In 2010, the 9th Council agreed to simplify the fees to only two categories based on country GNPs. The two annual rates are now US\$15 and US\$25. Details can be found on the AFS web-site at [www.asianfisheriessociety.org](http://www.asianfisheriessociety.org).

# LINKING FISHERIES SCIENTISTS

## THE ASIAN FISHERIES FORUM

The Society holds a triennial forum among Asian countries to promote scientific interaction amongst members and the community. By bringing together aquaculture and fisheries scientists and stakeholders from the region the forum provide a venue to discuss regional priorities, common problems and research findings.

Each forum updates the members of recent trends and ongoing research results in the region. It provides a unique opportunity to learn and evaluate research and also provides the much-needed scientific advice to policymakers, managers and planners.

Young researchers are encouraged to take an active part and interact with the large number of fisheries scientists in attendance. Towards this aim, the Society helps young scientists to secure travel support to attend the forum and can provide assistance through its Kanazawa Research Fund.

The published proceedings of each forum represent a state-of-the-art reference for fisheries and aquaculture research in Asia and are invaluable references for all fisheries scientists, industry and policy makers.

- The 1<sup>st</sup> Asian Fisheries Forum (1AFF) was held in May 1986 at the Philippine International Convention Centre (PICC) in Manila, Philippines with 408 participants from 27 countries and a total of 230 papers presented. The Forum focused on the theme "Traditional practices and new frontiers in Asian fisheries". The Forum was attended by 408 scientists from 27 countries.
- The 2AFF, held in April 1989 in Tokyo, Japan, brought together 431 participants from 27 countries.
- The 3AFF, held at Singapore's World Trade Center in October 1992, attracted 684 participants from 53 countries. It featured a series of special symposia and Fish Asia' 92, a major trade exhibit of fishery and aquaculture technology.
- The 4AFF was held in October 16–20 1995 in Beijing, China with over 600 delegates from 52 countries and territories participated.



*Ribbon cutting ceremony during the 3rd Asian Fisheries Forum in Singapore.*



*The 4th Asian Fisheries Forum inaugural opening of the trade exhibit area*

- The 5AFF was held on November 11–14 1998 in Chiang Mai, Thailand where the Society gathered once more, over 700 workers in fisheries all over the world, bringing forth ideas and experiences on how best to address issues on fisheries and food security beyond the year 2000.
- The 6AFF was held on 25–30 November 2001 in Kaohsiung, Taiwan with over 550 participants from 33 countries.
- The 7AFF, held in Penang, Malaysia from the 30 November–4 December 2004 was the most successful Forum to date with more than 800 participants from 41 countries. The theme of the Forum focused on New Dimensions and Challenges in Asian Fisheries in the 21<sup>st</sup> century.
- The 8AFF was held in Kochi, India between the 20–23 November 2007. The Forum theme was ‘Fisheries and Aquaculture: Strategic Outlook for Asia’. The Forum was the largest fisheries gathering in Asia, and received an overwhelming response. More than 1000 scientists from 33 countries participating in the deliberations and a total of 895 abstracts from 33 countries were accepted for presentation. Special symposia were held on gender and fisheries and the current status of shrimp farming in Asia plus a special session on fish health.



① Trade exhibit at the 5th Asian Fisheries Forum.



② Closing remarks during the farewell dinner at the 6th Asian Fisheries Forum held in Kaohsiung, Taiwan



③ Opening ceremony and Trade Exhibition by the Minister of Agriculture, Malaysia during the 7th Asian Fisheries Forum in Penang—Prof. Roshada Hashim on the left



④ Opening session of the 8th Asian Fisheries Forum in Kochi, India



⑤ Presentation of the gender paper award at 8AFF

To acknowledge the increasing role that aquaculture is playing in Asian fisheries, the forum's name was changed to Asian Fisheries and Aquaculture Forum (AFAF) during the 8th Council term and endorsed by the AFS General Assembly in 2007. Under the new EOI process, the Shanghai Ocean University (SHOU) won the bid to host the 9AFAF to be held on April 2011.



⑥ *Opening ceremony of the 9th AF AF in Shanghai, China*  
 ⑦ *Cultural show by SHOU students; L to R back row are Drs Fitzsimons, Siasson, Staples and Lee*  
 ⑧ *The ‘unique’ SHOU student volunteers earned high praise from all 9AF AF participants*

- The 9AF AF was held in the Lingang Campus of SHOU, Shanghai, China from the 20<sup>th</sup>–23<sup>rd</sup> April 2011. The forum hosted two major symposia—the 4th International Symposium on Stock Enhancement and Sea Ranching (4<sup>th</sup> ISSESR) and the 9<sup>th</sup> International Symposium on Tilapia Aquaculture (9<sup>th</sup> ISTA). Other major meetings held in conjunction with the 9AF AF were the 3<sup>rd</sup> Special global symposium on Gender in Aquaculture and Fisheries (GAF3), a special session on "Strengthening Euro pean–Asian Partnership" and the FAO funded session on "Aquatic Genetic Resources for Sustainable Fisheries and Aquaculture". The AquaFish CRSP, USA also joined the 9AF AF by holding its Board and annual project staff meeting during the 9AF AF; many project staff attended the 9AF AF.

The 9AF AF is one of the most successful forums held by the AFS. The forum was attended by >750 participants from >45 countries. Its Trade Exhibition attracted 34 exhibition booths, 14 of them coming from overseas. On behalf of the AFS, we wish to thank all the special sessions supporters, AFS members, all participants and the students/staff of SHOU who made the forum so welcoming and so special.

- The 10AF AF will be held in Yeosu City, South Korea in April 2013.

## DEVELOPING YOUNG SCIENTISTS

### THE ASIAN FISHERIES SOCIETY RESEARCH FELLOWSHIP AWARDS

The Society operates a Research Fellowship Awards Scheme that aims to upgrade the quality of research in the region by providing financial and technical support to promising young fisheries scientists from developing Asian nations who wish to undertake aquaculture or fisheries research. A grant of up to US\$12,000/year and the technical guidance of scientific advisers are made available to successful applicants to enable them to conduct well-designed, properly planned research. This is intended to improve the outputs and add to the wealth of scientific knowledge of relevance to fisheries development.

In the past, throughout the duration of their research project, grant recipients coordinate closely with designated advisers selected from a panel of 40 of the Society's senior scientists, whose functions are to assess critically the research progress of the awardees and to provide technical advice. The expertise provided by these scientific advisers has proven invaluable to the success of the scheme.

Since the scheme was established in 1988, 42 grants worth over US\$380,000 have been awarded, mostly to new Ph.D. or M.Sc. graduates, or to postgraduate students doing research leading to a Ph.D. or M.Sc. degree. The output, in general, has been of high quality with significant impact and results. In addition, most of the successful fellows have been given promotions in rank at their respective institutions, while some have received special citations and awards for their studies.

### Fellowship Grant Awardees

ARSENIA CAGUAN Philippines  
UPALI S. AMARASINGHE Sri Lanka  
YAN XINHONG China  
KANG CHUNXIAO China  
MOHD FERDOUS ALAM Bangladesh  
JAMILAH BINTI BAKAR Malaysia  
MA. BERNADETTE DE VENECIA Philippines  
SOOSAMA KAVUMPURATH India  
LIU JIASHOU China  
NGUYEN ANH TUAN Vietnam  
MOHD. AKAND AWAL Bangladesh  
WANG HUI China  
TOATA MOLEA Solomon Islands  
FU HONGTUO China  
HAMONANGAN NAINGGOLAN Indonesia  
PATCHAREE TEERASUNTONWAT Thailand  
JU BENSHEG China  
EKO BASUKI Indonesia  
P.T. USHA India  
ROSALIND G. MULLOORPEEDIKAYIL India  
WANG HAN-PING China  
ZHANG WEIMIN China  
ARFAH HARTON Indonesia  
HARJEET SINGH SEHGAL India  
MD. KAMAL KAMAL Bangladesh  
ZHANG YING-PEI China  
PRAPAPORN UTARABHAND Thailand  
KALKULI M. SHANKAR India  
H. SHIVANANDA MURTHY India  
CHADAG MOHAN India  
LI FU-HUA China  
RAMESH RAMACHANDRAN India  
ZHU SONGMING China  
SUBHASH CHANDRA CHAKRABORTY Bangladesh  
LIN XIN-WEI China  
ARMANDO FERMIN Philippines  
TANZA ERLAMBANG Indonesia  
WU HUI China  
ZHANG SI-MING China  
YUSNI IKHWAN SIREGAR Indonesia  
SHEELA GNANAPACKIAM India  
SEKMAR MEHARAJAN India  
NICHOLAS KHONG MUN HOE Malaysia  
NUR LEENA WONG WAI SIN Malaysia



*Signing of the MOU between the Society and the International Foundation for Science. (L–R) Then President, Dr. Chua Thia–Eng, IFS Director, Dr. Jaan Tear, Drs Khoo Hong Woo, Yu Swee Yean, T.J. Pandian, Sena De Silva and Mohd. Shariff*



*Signing of the Memorandum of Understanding between the Society and the Kanazawa Foundation (Front L–R) Drs Mohamed Shariff, Prof. Akio Kanazawa, (Back L–R) S.C. Pathak, Yew–Hu Chen, Kamonporn Tonguthai and Efen Flores*



*Approval to provide scholarships from the Kanazawa Fund was finalized during the 30th Council meeting at the 7th IFF, Bangalore, India November 2005 (Sitting L–R) Drs. Fatimah, Lee, Hashim and Siason, (Standing L–R) Drs. Yangyi, Zhou, Shiau, Piyatiratitivorakul and Kurokura*

Awarding of fellowships is based on the nature and quality of the proposals on a competitive basis. Applicants must be citizens of nations in Asia, preferably less than 40 years of age and attached to a university, research institution or fisheries–related agency in Asia. A Review Committee evaluates proposals and monitors research progress of fellows.

In the earlier days of the Society, funding for the awards was provided by the International Development Research Centre (IDRC) of Canada, the International Foundation for Science (IFS), the Philippine Council for Aquatic and Marine Research and Development (PCAMRD), the Aquaculture Department of the Southeast Asian Fisheries Development Centre (SEAFDEC), Philippines, and the Taiwan Fisheries Research Institute (TFRI).

A generous commitment from the Kanazawa Foundation to support future awards was formalized through a MOU and approval to provide scholarships from the Kanazawa Trust Fund was finalised by the 8th Council during the 30th Council meeting in Bangalore, India in November 2005. From 2007 onwards, fellowships awards will be provided via bank interests earned from the Kanazawa Trust Fund established by the Society. The fund has sufficient interest built up to start providing scholarships and Mr. Sekar Meharajan was awarded a scholarship of US\$3,000 to assist his research on replacing dietary proteins by carbohydrate sources in order to reduce feed costs was announced at 8AFF and awarded in 2009. During 9AFAF in April 2011, Mr. Nicholas Khong Mun Hoe and Ms. Nur Leena Wong Wai Sin were awarded a scholarship of US\$4,000 to assist their projects and attended the 9AFAF in Shanghai. The AFS Council will announce more awardees for the coming 10AFAF in April 2013 in Yeosu, South Korea.

## ADDRESSING FISHERIES ISSUES

The Society uses its strength as an organized group of Asian fisheries scientists to make itself heard in the face of significant fisheries-related problems affecting the region. By actively contributing to discussions on fisheries issues throughout Asia, the Society seeks to create public awareness of the importance of sound utilization, cultivation, conservation and development of aquatic resources. The Society's policy is that its statements reflect strictly professional scientific viewpoints free from political overtones.

The Society is actively represented by its Councilors and office bearers in international fora (e.g., the World Fisheries Congress). The papers presented in these fora form the basis of position papers to be presented by the Society on relevant concerns such as the introduction of exotic species, the fisheries education system, resources allocation, biotechnology, donor-assisted fisheries projects and women in fisheries.

### WORKSHOPS

The Society and its Branches also conduct regular workshops to address important issues pertaining to fisheries in the region. The proceedings are published and have been made available free to Society members upon request.

- **The Workshop on Fish Quarantine and Fish Diseases in South and Southeast Asia** (May 1986, Manila, Philippines) helped to promote research on fish diseases and to create an awareness of the importance and need for quarantine and/or certification programs to prevent the introduction of exotic fish pathogens.
- **The Workshop on the Introduction of Exotic Aquatic Species in Asia** (June 1988, Darwin, Northern Territory, Australia) reviewed the impact of species transfer in Asia and explored appropriate measures to minimize its adverse effects.
- **The Second Fisheries Resource Allocation Workshop** (October 1990, Beijing, China) stressed the need for economic inputs and assistance from local economists in data collection and analyses. The first workshop (April 1990, Singapore) addressed the issue of fisheries resource allocation in the region and its long-term implications for government policies, fisheries and donor agencies in the fund allocations for research and development.
- **The Second Workshop on Fisheries Education and Training in Asia** (October 1991, Taipei, Taiwan) focused on guidelines for the development of fisheries education curricula at various academic levels. The first workshop (May 1987, Japan) considered the issue of a standard fisheries curriculum and identified the need to upgrade fisheries education systems in the region.

- **The Fifth Asian Fish Nutrition Workshop** (January 1993, Udorn Thani, Thailand) was part of a series of workshops to develop a coordinated regional fish nutrition research program in Asia. Discussions tackled current research in relation to finfish culture, and emphasized on-farm research in relation to semi-intensive culture systems, the predominant form of culture in the region. The Sixth Asian Fish Nutrition Workshop was held in May 1995 in Phnom Penh, Cambodia.
- **The International Symposium on Biotechnology Applications in Aquaculture** (December 1994, Taipei, Taiwan) presented an overview of the state-of-the-art in selected fields of biotechnology applications in aquaculture.
- **International Seminar on Aquaculture in Asia** (August 19–22, 1997, Tokyo, Japan) presented the status and future prospects of aquaculture industry in Asia.
- **The International Symposium on the Role of Women in Asian Fisheries** (13 November 1998, Chiang Mai, Thailand), covered country papers highlighting on the roles and contribution of women and the complexity of gender issues in the fisheries sector.
- **The First International Symposium on Cage Aquaculture in Asia** (2–6 November 1999, Tungkang, Taiwan) jointly organized with the Southeast Asian chapter of the World Aquaculture Society presented the status and future directions of cage farming in Asia. Highlights on farming in other parts of the world were also presented.
- **The Fourth Symposium on Diseases in Asian Aquaculture** (22–26 November 1999, Cebu, Philippines) was organized by the Society's Fish Health Section. It reviewed the status of fish and shellfish diseases and health management in Asia. The 3rd Symposium was held in Bangkok, Thailand in January 1996. The 2nd Symposium on Diseases in Asian Aquaculture (October 1993, Phuket, Thailand). The 1st Symposium was held in Bali, Indonesia in November 1990.
- **Global Symposium on Women in Fisheries** (29 November 2001, Kaohsiung, Taiwan) held in conjunction with the 6th Asian Fisheries Forum. Papers addressed issues not only primarily on women at the Asian level, but moved towards issues at the global level. The symposium was attended by participants from both the East and the West.
- **Global Symposium on Gender and Fisheries** (1–2 December 2004, Penang Malaysia) held in conjunction with the 7th Asian Fisheries Forum. The symposium focused not only on women in fisheries but extended the discourse towards gender and fisheries. How are women and men affected by differential use and access to fisheries resources and development? How can gender inequities be effectively addressed through better research?
- **The Sixth Symposium on Diseases in Asian Aquaculture** (25–28 October 2005, Colombo, Sri Lanka) organized by Fish Health Section of the Asian Fisheries Society focused on strategies for improving aquatic animal health in Asia.



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- ① *Participants at the CAA2 held in, Hangzhou, China, July, 2006*
- ② *Opening ceremony CAA2, Hangzhou, China, July, 2006*

• **The International Symposium on Aquaculture and Fisheries Education (ISAFE)** (27–30 November 2009, Bangkok, Thailand) jointly organized with Asian Institute of Technology and Shanghai Ocean University focused on information exchange among educators, policy makers and industries of recent advances of aquaculture and fisheries education in Asia and other parts of the world.

- **The Seventh Indian Fisheries Forum** (8–12 November 2005, Bangalore, India)
- **The Second International Symposium on Cage Aquaculture in Asia (CAA2)**—(3–8 July 2006, Hangzhou, China) highlighted a few major key issues in cage aquaculture such as recent advances and innovations, potentials, challenges and problem. A Global Review on Cage Aquaculture was presented by FAO and the report published separately as a special publication of FAO.
- **The Seventh Symposium on Diseases in Asian Aquaculture (DAA7)** (22–26 June 2008, Taipei, Taiwan) organized by Fish Health Section of the Asian Fisheries Society presented recent research findings, exchange ideas and establish new collaboration among world’ s leading scientists and students working in aquatic animal health.

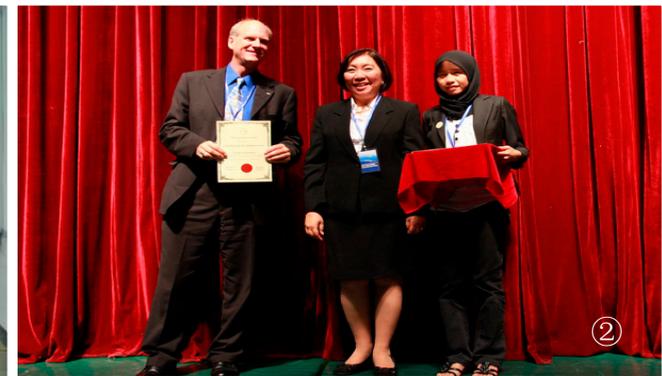


*Opening Ceremony ISAFE, Bangkok November, 2009*



*Participants at the International Symposium on Aquaculture & Fisheries Education, Bangkok 2009*

- **9th International Symposium on Tilapia in Aquaculture (ISTA9)**(April 2011,Shanghai, China) held with 9AFAF with the theme ‘ Better Science, Better Fish, Better Life ’ .
- **4th International Symposium on Stock Enhancement & Sea Ranching(4ISSESR)**(April 2011,Shanghai, China) held with 9AFAF and the themes are for restocking, stock enhancement and sea ranching into account.
- **Special global symposium on Gender in Aquaculture & Fisheries (GAF3)** sponsored by FAO, UN



- ① *Participants at the 9th International Symposium on Tilapia in Aquaculture, 9AFAF, Shanghai, China (April 2011)*
- ② *Prof. Ida Siason showed Prof. Kevin Fitzsimmons the Certificate of Appreciation award for his contribution to AFS (April 2011)*
- ③ *Participants at the 4th International Symposium on Stock Enhancement & Sea Ranching (April 2011)*

## DISSEMINATING INFORMATION

### JOURNAL OF ASIAN FISHERIES SCIENCE

When the Society was established in 1984, more than 900 members expressed their desire for a reputable journal that they could afford to subscribe to and in which they could report their scientific findings. To address this need, the Society began publishing the Asian Fisheries Science in December 1987.

The Journal strives to provide a professional medium to disseminate the scientific work of fisheries scientists, including those unable to subscribe to expensive journals or pay exorbitant charges to publish their scientific papers. It is open to researchers around the world investigating problems or issues in fisheries and aquaculture related to the Asia–Pacific region. All the papers submitted to the Journal are peer–reviewed by at least two world–renowned scientists.

The Journal stirred much interest among the fisheries scientific community. To accommodate the growing number of manuscripts submitted, the number of issues per year was increased from two to three in 1991, and to four in 1994. Beginning from 2013, society members as well as non–members are now able to access the Journal for free. However, non–members are required to register themselves via our website ([www.asianfisheriessociety.org](http://www.asianfisheriessociety.org)) before they can access our publications.

The Society in the past has received support to publish the Journal from: the International Development Research Centre (IDRC), Canada; the Fwu Sow Group; the Hanaqua International Corporation; SEAFDEC Aquaculture Department; and the WorldFish Center. More recent donors include: Charoen Pokphand Group–C.P. Aquaculture Co., Ltd., Thailand; and SAREC Regional Program on Marine Science in Southeast Asia through the Coastal Management Center (CMC).

Dr. Shiau Shi-Yen from Taiwan took-over from Dr. Sena De Silva as the Editor-in-chief in 2004. With the move to an e-Journal, the Society employed two assistant editors to provide specialist support to its publication. With the move of the Society's Secretariat to UPM, Malaysia a new Editor-in-Chief, Prof. Mohamed Shariff was appointed in December 2010 along with Ms. Choo Poh Sze as the Assistant Editor. Prof. Shariff is currently at the Faculty of Veterinary Medicine, Universiti Putra Malaysia. He was the President of Asian Fisheries Society during the 5th Council (1995–1998) term and has been a member of Asian Fisheries Society since 1986. He was the founder president of the Malaysia Fisheries Society in 1987. Ms. Choo Poh Sze retired from the WorldFish Center, Penang, in May 2009, after serving for seven years as Science and Policy Specialist and has since worked as a consultant in the field of fisheries and aquaculture. Before WorldFish, she was attached to the Fisheries Research Institute, Penang where she worked for 31 years and held various positions including Head of the Mariculture Unit, Head of the Aquaculture Branch and Head of Aquatic Ecology Branch.

With the new editorial team, authors receive acknowledgement within 2 days of submission of manuscripts and decision on their papers are given within 6 to 8 weeks. Plans are underway to have the whole process of manuscript submitting, reviewing and correcting, to be done online and authors will be able to monitor the whole process. The next step will be to get the Journal listed in the Science Citation Index. In 2012, the Editor-in-Chief has also appointed some new members to the Editorial Board to help upgrade the standard of the Journal.

The Council and the new Editor-in-Chief is also actively seeking to get ISI to accept the Asian Fisheries Science Journal as one of the SCI journals.



*The Editor-in-Chief, Prof.  
Mohamed Shariff*



*The Assistant Editor, Ms.  
Choo Poh Sze*

## E-Newsletter



*Dr. Modadugu V.  
Gupta Editor of AFS  
e-Newsletter*

To improve communication between the Society and its members, 8th Council initiated the AFS e-newsletter in 2006. During the formative years, the Society was responsible for writing the half-yearly newsletter. The current e-Newsletter Editor, Dr Modadugu V. Gupta, is encouraging all members to use this media as a way of informing others of new research findings, recent and forthcoming events and other news of interest to Asian Fisheries Society Science. With a bit more input from members, this newsletter could be a powerful tool for disseminating information as well as forming links among fisheries scientist in the region. The e-Newsletter is available for downloading from the AFS website at <http://www.asianfisheriessociety.org/e-newsletter.php>.

## Social Network

The Society has also set up a Facebook that it uses to communicate with AFS Members and Non-Members who register under Facebook Social Network. Currently, it is used mainly to inform and up date the events and news of the Society. The Society also has connected with other Society such as World Fish Center, FAO, AquaFish-CRSP and PEMSEA.

## PUBLICATIONS

### **Fish Quarantine and Fish Diseases in South and Southeast Asia: 1986 Update.**

J.R. Arthur (Editor). 1987

Report of the Asian Fish Health Network meeting held in the Philippines in 1986.

### **Fisheries Education and Training in Asia**

Workshop Proceedings. 1988.

Reviews fisheries education and training systems in Asia and provides recommendations for fisheries manpower development.

### **Exotic Aquatic Organisms in Asia**

S.S. De Silva (Editor). 1989

Documents a 1988 workshop in Australia, an initial effort of fisheries scientists towards regulating the introduction of exotic species into Asia, as these may introduce diseases, disrupt aquatic communities and lead to the genetic deterioration of host stocks.

### **Fish Nutrition Research in Asia. Proceedings of the Third Asian Fish Nutrition Network Meeting**

S.S. De Silva (Editor). 1989.

Proceedings of the meeting that formalized the Asian Fish Nutrition Network. This volume attempts to obtain a fairly representative cross-section of on-going research on fish nutrition in Asia, depicting the immediate nutrition needs for intensification of the practices in the region.

### **Fish Nutrition Research in Asia. Proceedings of the Fourth Asian Fish Nutrition Workshop.**

S.S. De Silva (Editor). 1991

Proceedings of a workshop held by the Asian Fish Nutrition Network to coordinate a regional fish nutrition research program in Asia. Includes reviews, original research findings, discussions and recommendations which could help direct fish nutrition research in Asia.

### **Asian Fisheries Science: A Profile**

J.L. Maclean (Editor). 1991

Provides information about the state of aquatic sciences research and literature in Asia. It analyzes the results of a study conducted in 1987–89 to investigate the nature of the Asian fisheries science community and its literature output.

### **Resource Allocation to Fisheries Research in Asia**

F.B. Davy (Editor). 1993

These proceedings of two workshops held in 1990 in Singapore and China assessed the status of the allocation of national budget and manpower for fisheries research and development in nine Asian countries.

### **Fisheries Education and Training in Asia: Second Workshop Proceedings.**

H. C. Liu and S. Y. Yeh (Editors). 1993

The result of a workshop which aimed to develop appropriate curricula to upgrade fisheries education in Asia, these proceedings present curriculum packages for capture fisheries, aquaculture, postharvest technology and general fisheries. Includes an overview of fisheries education in national tertiary establishments in Asia.

**Fish Nutrition Research in Asia. Proceedings of the Fifth Asian Fish Nutrition Workshop**

S.S. De Silva (Editor). 1994

These proceedings reflect current research in nutrition in relation to finfish culture. Emphasis has turned to on-farm research in relation to semi-intensive culture systems.

**Proceedings of the International Symposium on Biotechnology Applications in Aquaculture**

C. M. Kuo (Editor). 1995

These proceedings present original research reports on the following fields of biotechnology applications in aquaculture: reproduction, stock improvement by gene manipulation, disease diagnosis and vaccination, and resource utilization.

**Aquaculture in Asia: The Proceedings of the Second International Seminar on Fisheries Science in a Tropical Area**

F. Takashima, T. Takeuchi, T. Arimoto and C. Itosu (Editors). 1997

Contains various papers presented in three sessions: Aquaculture in Indonesia and Other Asian Countries, Sea Farming in Japan and Aquaculture in Another Asian Countries.

**Cage Aquaculture in Asia: Proceedings of the First International Symposium on Cage Aquaculture in Asia.**

I Chiu Liao and C. Kwei Lin (Editors). 2000

Provides status of the cage culture industry in Asia and other parts of the world. Proceedings of a symposium held in 1999 in Taiwan. Jointly published with the WAS–Southeast Asian Chapter.

**International Symposium on Women in Asian Fisheries Proceedings.**

M.J. Williams, M.C. Nandeesha, V.P Corral, E. Tech and P.S. Choo (Editors). 2001

Contains the papers presented in the International Symposium on Women in Asian Fisheries (the 6th Asian Fisheries Forum), held in Chiang Mai, Thailand, 1998.

**Post-Retirement Careers in Fisheries and Aquaculture.**

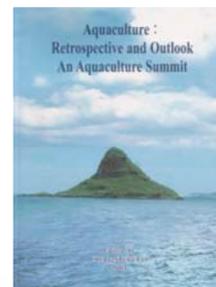
M.B. New and I Chiu Liao (Editors). 2002.

This book contains papers presented during a special session at the 6th Asian Fisheries Forum.

**Global Symposium on Women in Fisheries.**

M.J. Williams, N.H. Chao, P.S. Choo, K. Matics, M.C. Nandeesha, M. Shariff, I. Siason, E. Tech and J.M.C. Wong. 2002.

The First Ever Global Symposium on Women in Fisheries (the 6th Asian Fisheries Forum), held in Kaohsiung, Taiwan on 29 November 2001 generated the collection of papers on women in fisheries.



**Aquaculture: Retrospective and Outlook, An Aquaculture Summit.**

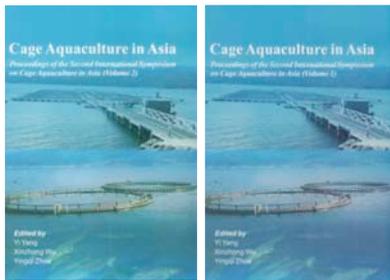
C.S. Lee (Editor). 2004.

This book contains the proceedings of a workshop held in Honolulu, Hawaii in November 4–7, 2002.

**Cage Aquaculture in Asia: Proceedings of the Second International Symposium on Cage Aquaculture in Asia (Volume 1 and Volume 2).**

Yi Yang, Xinzhong Wu, Yingqi Zhou (Editors). 2009

Proceedings of the symposium held in Zhejiang, China, 3–8 July 2006.



**Cobia Aquaculture: Research, Development and Commercial Production.**

I Chiu Liao, Eduardo M. Leño (Editors). February 2007.

This book contains the latest information relating to Cobia aquaculture and is a must read for scientists, policy makers and practicing aquaculturists.

**The Aquaculture of Groupers**

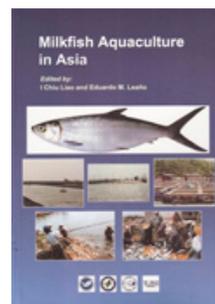
I Chiu Liao, Eduardo M. Leño (Editors). August 2008.

An up-to-date treatise on culturing groupers.

**Milkfish Aquaculture in Asia**

I Chiu Liao, Eduardo M. Leño (Editors). March 2010.

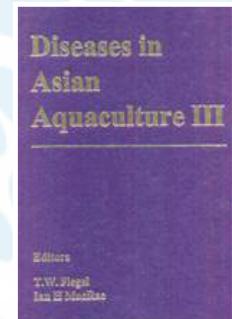
A recent addition to the series edited by I Chiu Liao and Eduardo M. Leño on milkfish aquaculture in Asia.



**Diseases in Asian Aquaculture VII: Proceeding of the Seventh Symposium on Diseases in Asian Aquaculture**

M. Bondad–Reantaso, J. Brian Jones, F. Corsin, T. Aoki. November 2011

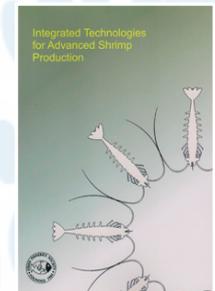
Fish Health Section of Asia Fisheries Society has published Proceedings of the Seventh Symposium on Diseases in Asian Aquaculture which was held on June 22–26, 2008 in Taipei, Taiwan.



**Integrated Technologies for Advanced Shrimp Production**

Special Issue Publication Vol 23(4). December 2010.

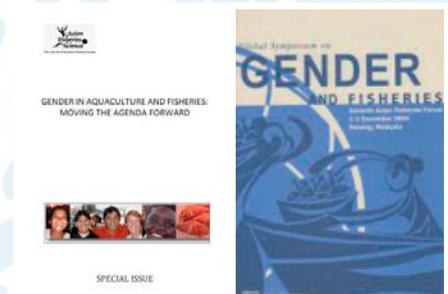
Proceedings of the Symposium on Intergrated Technologies for Advanced Shrimp Production which was held in October 13–15, 2009 in the East–West Centre, University of Hawaii.



**Gender in Aquaculture and Fisheries: Moving the Agenda Forward**

M.J.Williams, M. Porter, P.S. Choo, K. Kusakabe, V. Vuki, N. Gopal, M.Bondad–Reantaso (Editors) 2012.

Papers from 3rd Global Symposium on Gender in Aquaculture and Fisheries which held on 21–23 April, 2011 in 9th Asian Fisheries and Aquaculture Forum at Shanghai Ocean University, China.



## OTHER PUBLICATIONS

### **Asian Fisheries Directory.**

F. Brian Davy (Editor). 1989—A trade directory that helps scientists and technicians locate suppliers of products and information, research equipment, materials, consultants, services and trade items. Also lists fisheries societies, networks, institutions and agencies, both governmental and nongovernmental.

### **Perspectives in Asian Fisheries.**

S.S. De Silva (Editor). 1996—This book, which commemorates the Society's tenth anniversary, presents the status, advances and future prospects in fisheries and aquaculture research.

## FORUM PROCEEDINGS

### **The First Asian Fisheries Forum.**

J.L. Maclean, L.B. Dizon and L.V. Hosillos (Editors). 1986—These proceedings of the 1st Asian Fisheries Forum held in 1986 in Manila, Philippines, contain 167 scientific papers and major reviews on Asian fisheries and aquaculture, developments in fish nutrition and advances in tropical fisheries research. Includes indices for author and species.

### **The Second Asian Fisheries Forum.**

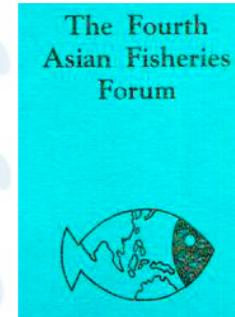
R. Hirano and I. Hanyu (Editors). 1990. — These proceedings of the 2nd Asian Fisheries Forum held in 1989 in Tokyo, Japan, contain 228 full and poster papers and major reviews on Asian fisheries and aquaculture, developments in fish nutrition and advances in tropical fisheries research. Includes indices for author and species.

**The Third Asian Fisheries Forum.**

L.M. Chou, A.D. Munro, T.J. Lam, T.W. Chen, L.K.K. Cheong, J.K. Ding, K.K. Hooi, H.W. Khoo, V.P.E. Phang, K.F. Shim and C.H. Tan (Editors). 1994. – Contains 274 scientific papers and 8 abstracts on fisheries research in Asia. Topics range from fish and shrimp culture, capture fisheries, diseases, ecology, biology, genetics, molecular biology, nutrition, physiology, postharvest technology, socioeconomics and ornamental fish. Includes indices for author and species.

**The Fourth Asian Fisheries Forum.**

Y. Zhou, H. Zhou, C. Yao, Y. Lu, F. Hu, H. Cui and F. Din (Editors). 1997 – Contains 184 scientific papers and abstracts. Topics range from Aquaculture, Capture Fisheries, Diseases, Ecology, Fish Biology, Genetics, Biotechnology, Nutrition, Post–harvest Technology, Socioeconomics, Fishery Resources and Management and Conservation of Aquatic Biodiversity. Includes author index.

**The Fifth to Seventh Asian Fisheries Forum**

After 1997, no hard copies of the proceedings were produced due to the rising costs of printing and mailing the proceedings to members.

**The Eighth Asian Fisheries Forum**

Selected refereed papers presented at the 8AFF were published in e–format in the Asian Fisheries Science Journal, Vol 22 (1 & 2) in 2009.

**The Ninth Asian Fisheries And Aquaculture Forum (9AFAF)**

Book of Abstracts–The theme of the forum is “Better Science, Better Fish, Better Life” .

Y. Pan, S. Huang, Y. Lu, P. Chen, M. Zhang, L. Huan, J. Zhong, T. Zhou, C. L. Lee. (Editors)

In addition to the above publications, the AFS Fish Health Section runs a triennial symposium on Fish Diseases in Aquaculture. Eight such symposia have been successfully completed and information on the proceedings are available from its website: [www.daa8.org/](http://www.daa8.org/)

Similarly, the AFS–IB and AFS–TB also run many successful forums. More information are available on the AFS website: [www.asianfisheriessociety.org/](http://www.asianfisheriessociety.org/).

## PROMOTING GLOBAL COOPERATION

The Asian Fisheries Society plays a variety of roles in cooperating with regional and international societies and institutions.

The WorldFish Center (formerly ICLARM) has been associated with and has been a strong supporter of AFS from its founding to the present day. For its services and support to the Society, the WorldFish Center was awarded with the AFS Gold Award in 2007. Similarly, the Mekong River Commission (MRC) was given a Merit Award in 2007 and a Gold Medal in 2011 during the 9AFAF for its support to the Society and to the Asian Fisheries Forum over a number of years.

FAO has also been associated with AFS over a long period and has provided both staff and financial support for many AFS activities, the latest of which were the 2nd International Symposium on Cage Culture held in China in 2006, the 8AFF held in Kochi, India in 2007 and the Special Global Symposium on Gender in Aquaculture & Fisheries (GAF3) held in Shanghai, China in April 2011 as part of 9AFAF. For its support to AFS, FAO was given a Gold Medal during 9AFAF.

The Society also undertakes collaborative activities with the World Fisheries Society in holding the World Fisheries Congress, a 5-day global conference for the free exchange of scientific information. Fisheries scientists worldwide who are concerned about the long-term health and wise use of fisheries resources meet to assess the state of the world's fisheries resources and promote scientific collaboration. The first Congress was held in May 1992 in Athens, Greece and spearheaded by the American Fisheries Society and the AFS. The Society co-sponsored the 3rd World Fisheries Congress held in Beijing, China (31 October–03 November 2000) organized by the China Society of Fisheries and is intending to be actively involved in the 6th Congress to be held in Edinburgh, Scotland in May 2012. The Society is also seeking membership of the World Council of Fisheries Societies.



*Dr Matthias Halwart receiving the Gold Medal Award on behalf of FAO, UN from AFS President Ida Siasson in April 2011*

Formal agreements with the World Aquaculture Society (2008) and the Korean Society of Fisheries and Aquatic Science (2010) allow the cooperative exchange of publications, enhance the benefits available to members of each society, and broaden the international exchange of information among aquaculture scientists.

AFS also interacts with many national fisheries societies throughout Asia. The Malaysian Fisheries Society and Chinese Society of Fisheries are strong affiliates of AFS.



- ① *Prof. Pan Ying-jie (centre), President of Shanghai Ocean University (SHOU) receiving the Gold Medal Award on behalf of the university in April 2011. Mrs Yangyi receiving the Gold Medal Award on behalf of her husband, the late Prof Yang Yi.*
- ② *Former AFS Vice-President, Mr. Darryl Grey, representing the Society at the 2nd World Fisheries Congress.*
- ③ *The 3rd World Fisheries Congress (October 2000, Beijing China). Dr. Chua Thia-Eng represented the Society in this meeting.*
- ④ *Dr. Mohammed Shariff, Chairman of the Malaysian Fisheries Society and Dr. Chua, affirm the partnership between the two societies*



## ENCOURAGING NETWORK FORMATION

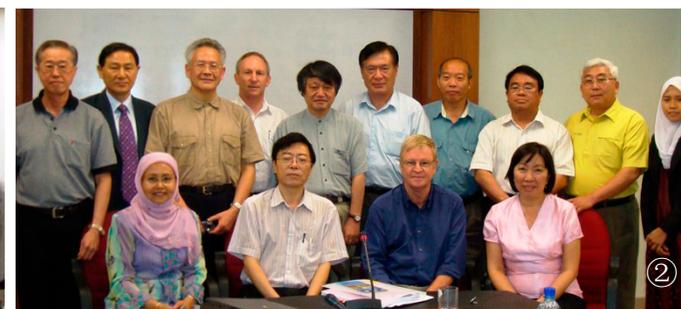
The Society actively encourages the establishment of local branches and promotes affiliation with national societies, organizations and institutions having similar objectives. Local branches provide opportunity for a country's members to organize and become a louder voice in national fisheries issues.

The Society has branch societies in India, Taiwan and Japan; and the national societies of China and Malaysia are affiliated to the parent society. Between 2004 and 2012, the 8th 9th and the 10th Councils visited many countries as part of its council meeting and these meetings are often held in conjunction with the activities of the branches.

Members working in specialized fields are encouraged to make use of the Society umbrella to form subject-oriented sections for increased communication and cooperation. The Fish Health Section of the Society and the Social Science Research Network are established sections of the Society.



① 38<sup>th</sup> Council meeting held in Seoul, Korea June 2010



② 36<sup>th</sup> Council meeting held in AFS Secretariat, UPM, Malaysia 2009



③ Councilors attending the 7<sup>th</sup> Indian Fisheries Forum and 30<sup>th</sup> Council meeting 2005

## THE TAIWAN BRANCH

The Taiwan branch (AFS–TB) is the Society’s first branch. Founded in September 1985, at the Institute of Fisheries Sciences, National Taiwan University; the branch presently has over 64 active members.

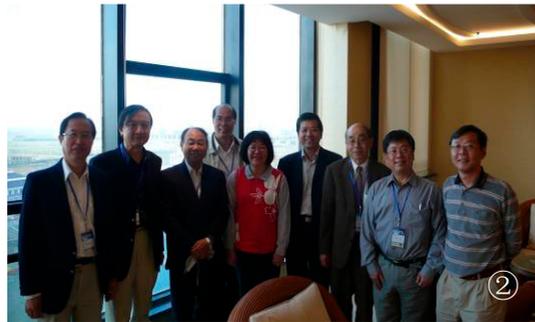
The branch has been actively supporting the Society by generating much needed funds through a series of activities in Taiwan. One way is to host and support the Society’s meetings such as: the 2nd and 9th Council meetings in 1985 and 1991, respectively. The second way is by holding symposia and meetings in Taiwan e.g. the International Symposium on Biotechnology Applications in Aquaculture in 1994, the First International Symposium on Cage Aquaculture in Asia in 1999, the 6th Asian Fisheries Forum in 2001, and the 7th Symposium on Diseases in Asian Aquaculture in 2008. Finally, the AFS–TB fully or partially fund various Society’s publications such as the Society’s Journal—Asian Fisheries Science, books, proceedings as well as AFS Yearbook. The latest scientific publications are three books edited by I Chiu Liao and Eduardo M. Leña and published jointly by National Taiwan Ocean University, The Fisheries Society of Taiwan, Asian Fisheries Society and World Aquaculture Society. They are entitled: (1) *Cobia Aquaculture: Research, Development and Commercial Production* (2007, ISBN 978–986–00–8663–8), (2) *The Aquaculture of Groupers* (2008, ISBN 978–986–01–4431–7), and (3) *Milkfish Aquaculture in Asia* (2010, ISBN 978–986–02–2610–2).

More than sixty scientists and members participated Asian Forum of Aquaculture and Fisheries held in Shanghai Ocean University, Shanghai, China on April 20–24, 2011. Annual scientific meeting of Fisheries Society of Taiwan was held in National Sun Yat–Sen University, Kaohsiung, Taiwan on December 3, 2011, and more than 300 papers were presented. Three fisheries science scientists, Professors Ryo Kawabe, Gregory N. Nishihara, and Yu Umezawa visited National Taiwan Ocean University on January 10, 2012, and addressed speech in the College of Life Sciences in marine fish through electronic tags, marine macrophyte biodiversity, and human impact on marine ecosystem. Eight scientists and members attended Taiwan–Japan Symposium on Emerging in Aquatic Immunity and Aquatic Biotechnology which was held in Cheng–Kung University, Tainan, Taiwan on February 21–22, 2012. Professors Takashi Aoki, Yoshitaka Sakakura, Ikuo Hirono, Kiyoshi Kikuchi, Takashi Sakamoto, Goro Yoshizaki, Kenji Saitoh, Tadaaki Moritomo from Japan side, Professors I Chiu Liao, Nan–Hsien Chao, Ching–Fong Chang, Jen–Leih Wu, Huey–Lang Yang, Pung–Pung Hwang, Chu–Fang Lo, and Han–Ching Wang, and Jiann–Chen Chen from Taiwan side made a talk in this event. Also a world famous scientist, Professor Kenneth Söderhäll attended this event and addressed a speech. Dr. Winton Cheng, an AFS member organized a symposium on Fish Feed Nutrition and Larval Production in National Pingtung University of Science and Technology on May

18, 2012. More than 200 participants attended this symposium. Many scientists and members including Dr. Shi-Yen Shiau, Dr. Ron-Fu Huang, Dr. Shin-Li Yeh, Mr. Peter Chiang, Mr. Chin-Pin Liu, and Mr. Yi-Ho Lin attended this event and addressed speech. Dr. Ching-Fong Chang has become the President of National Taiwan Ocean University since August 1, 2012. Annual scientific meeting of Fisheries Society of Taiwan was held in National Taiwan Ocean University on January 19, 2013. Three hundred and sixty four abstracts were presented and published in the "Program and Abstracts".



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- ① *Dr. Chao N.S., Dr. Liao I.C., Dr. Chen J.C. and Dr. Tseng W.N. attended the 9AFAF in Shanghai Ocean University, Shanghai, China (April 20, 2011)*
- ② *Participants from Taiwan Branch visited Main Library Hall, Shanghai Ocean University, Shanghai, China (April 21, 2011)*
- ③ *Participants from Taiwan Branch attended the welcome party hosted by the President Dr. Pan Ying Jie, Shanghai Ocean University, Shanghai, China in a welcome party (April 21, 2011)*
- ④ *Students participated the Annual Scientific Meeting, Fisheries Society of Taiwan in the Collage of Life Sciences, National Taiwan Ocean University, Keelung, Taiwan (January 19, 2013)*



*Dr. Chang Ching-Fong (left third) taking over as the President of the Fisheries Society of Taiwan from Dr. Lee Kuo-Tien (left sixth) with several committee members (March 05, 2013).*



*More than 450 scientists from 44 countries and areas attended the “International Conference on Challenges in Aquatic Sciences” organized by Chairman of Committee Members Professor and Dr. Huang Jiang-Shiou, March 15–21, 2013 in the National Taiwan Ocean University (March 15, 2013).*

**Chairperson: Dr. Jiann-Chu Chen**

Mailing address:

Taiwan Branch

Asian Fisheries Society

Distinguished Professor

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## The Indian Branch

The Asian Fisheries Society Indian Branch (AFS–IB), founded in 1986 at the College of Fisheries, University of Agricultural Sciences, Mangalore, Karnataka State, is one of the most successful and dedicated branches of the Society. It has over 350 active members from all over the country. The current Chairperson, Prof. M. C. Nandeesh, passed away in December, 2012.

In December 1987, the Branch successfully organized the 1st Indian Fisheries Forum in Mangalore. The event was well attended by scientists and professionals representing diverse sectors of fishery science. This was followed by the equally successful successive fora, with the last few being the 6th (2002) forum held at the Central Institute for Fisheries Education (CIFE), Mumbai (Central India), the 7th (2005) at Bangalore, South India and the 8th (2008) at Kolkotta, West Bengal. All the fora had more than 500 participants, including students, researchers, managers, policy makers from within the country and also from the Indian subcontinent. The 30th AFS Council meeting was held in conjunction with the 7th IFF to strengthen interaction of the Society with its Indian Branch. The 9th IFF was held in December, 2011 at Chennai, Tamil Nadu where Dr. M. V. Gupta, World Food Prize Laureate was the Chief guest and President AFS Dr. Derek Staples, the Guest of Honour.

During each forum, young scientists are selected to receive Young Scientist Awards and individuals who have contributed to the development of the Society are presented with the Dr. K. C. Nayak Memorial Award. In 1993, the Prof. H.P.C. Shetty Award for excellence in fisheries research and/or development was instituted. All these awards are distributed during the IFF. Also, the Indian Branch announced formation of a corpus for funding international travel of student members for presentation of papers at the international AFAF held once in three years.



*Dr. Derek Staples, President, AFS addressing the inaugural session of the 9th Indian fisheries forum on 19th December, 2011 at Chennai, India*

The Indian Branch has sponsored several technical workshops on relevant topics such as exotic aquatic species in India, carp seed production technology, reservoir fisheries, aquaculture in Asia, fish nutrition, aquaculture economics, environmental impact of coastal aquaculture, fisheries management, freshwater prawn farming, aquaculture in the third millennium and science, technology coastal zone management and policy. Workshop and Forum proceedings are published and made available to the fisheries community at reasonable cost. The Branch also publishes an e newsletter with four issues per year from July, 2012.

Upon request from various agencies the Branch has undertaken projects on the development of techniques for breeding carps with Ovaprim; a survey on carp culture systems in Andhra Pradesh; impact of parasites on reservoir fisheries; and breeding of *Mahseer* in Karnataka.

The Branch completed the construction of its headquarters in 1998 situated at the campus of the College of Fisheries, University of Agricultural Sciences in Mangalore. It houses the office of the Branch, a library, a computer room, a meeting hall and the Fishermen Training Centre. Funds for the construction of the training Centre were mobilized by the then Secretary Prof. Mohan Joseph Modayil from various sources including the Government of Karnataka, Govt. of India MP' s Area Development fund through the courtesy of Shri Oscar Fernandes, M.P. and Shri Dhananjaya Kumar, M.P.

The AFS entrusted the task of organizing, conducting and managing the 8AFF in 2007 to the Indian Branch (AFS-IB). The then

chairperson of the AFS-IB, Dr. Ayyappan appointed Prof. Mohan Joseph Modayil as the 9AFF Convener. Prof Modayil took up this responsibility and ably organized the 8AFF in the port city of Kochi, India during November 2007. The 8AFF was a grand success where more than 1000 scientists from 33 countries participating in the deliberations. There were 385 foreign delegates while the rest were from the scientific community of the Indian peninsular. The refereed and recommended papers of the Forum were published as Proceedings of the Forum in the form of two issues of the AFS Journal Asian Fisheries Science. The Forum also generated adequate revenue as per the agreement with AFS and transferred the assured funds to the AFS in 2009.

The Indian branch celebrated the Silver Jubilee by holding a Global Symposium on AQUATIC RESOURCES FOR ERADICATING HUNGER AND MALNUTRITION; OPPORTUNITIES AND CHALLENGES from 4TH TO 6TH December, 2012 at Mangalore.

The global symposium was inaugurated by Prof H P C Shetty, founder Chairman and former Director of Instruction, College of Fisheries, Mangalore on 3rd December 2012. Dr. Derek staples, president AFS was the guest of honour. The total number of participants for the symposium was 302 out of which 32 were International delegates. There were seven scientific sessions in which 54 papers were presented by leading experts from all over the world. In addition, there was a separate poster session where 218 posters were displayed under different themes.

Prior to inauguration of symposium a panel discussion on Infrastructure requirement for fisheries sector was held by group of eminent persons. The panel included Dr C Renuka Prasad, Vice-Chancellor, Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar, Prof Mohan Joseph Modayil, former Chairman, ASRB (New Delhi) and Chairman AFSIB, Sri Arvind Jannu IAS, Principal Secretary to Government of Karnataka, and Professor PSBR James, Former Director, CMFRI. This was followed by silver jubilee celebrations of AFSIB wherein a book entitled Fish Deep; Think Deeper summarizing the past 25 years of AFSIB was released. Prof Mohan Joseph Modayil made a brief presentation entitled A Journey Through Time on the activities of AFSIB for the past 25 years.

Currently India is not represented at the AFS Council as the current Council Member Prof. M. C. Nandeesh, Chairman of AFSIB passed away on 27th December, 2012.

In recognition of the meritorious services rendered by the leaders of the Indian Branch, AFS has in the past awarded three Gold Medal Awards to Prof. H.P.C. Shetty, Dr. M. C. Nandeesh and Prof. Mohan Joseph Modayil.



*Photographs from the Global Symposium in Mangalore.*

AFS Indian Branch  
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## The Japan Branch

The Japan Branch was established in 1994 with about 100 members mostly from universities, governmental agencies and companies, specializing in various fields of fisheries research, education and development activities.

Four years after the establishment of the Asian Fisheries Society, the Second Asian Fisheries Forum was held in Tokyo in 1988. This event was the best opportunity to establish the Branch structure, where many Japanese researchers, scientists and professors as well as students majoring in fisheries were given the opportunity to notice the necessity and importance of international communication in fisheries science especially in tropical and subtropical areas.

The Branch processes membership applications to the Society, distributes the Branch newsletters, The Branch organized the International Seminar on Aquaculture in Asia in August 1997, as the first Branch event. This covered two special topics: (1) Aquaculture in Asia, and (2) Sea Farming in Japan. The following Societies and Organizations provided supports to the Branch: Japan Society for the Promotion of Science (JSPS); Tokyo University of Fisheries; Japan Society of Fisheries Science; Japan Society of Aquaculture and the Japan Society of Fisheries Engineering.

Although the number of the Branch members is rather stable since the beginning, the members have been actively involved in

the Society events through the Forum Workshops and Section activities. In the 5th AFF held in Chiang Mai, Thailand in 1998, Japanese participants reached around 80. During the 5th AFF, Prof. A. Kanazawa, one of the founding members of the Japan Branch, was honored to the Gold Medal Award for his contribution to the Kanazawa Foundation. He also received certificate of appreciation from the Society in his death in 2009. His lofty ideal and high integrity are pride of Japanese member.

AFS activities can create the good learning opportunity for the International Cooperation. Branch members are now strongly involved in the coordinating activities with foreign scientists, technical cooperation and international collaboration in fisheries education. Particularly, some members working in higher education bodies have strong interest in international collaboration in higher education in universities and graduate schools in foreign countries. The Japan Branch offers the information and access to them for enhancing the cooperation program with Asian countries through the establishment of the better working mechanisms for collaboration.

The Japan Society of Fisheries Science had the 5th World Fisheries Congress in 2008. Most of the members of the branch actively joined the congress and supported the organizing committee of the congress and had a meeting concerning future collaboration in fisheries education.

Japan was struck by catastrophic earthquake and tsunami on March 11, 2011, and accidents in Fukushima Atomic Power Plant caused serious social unrest not only in Japan but also in East Asia. Many Japanese scientists labored for clarification of damages of coastal ecosystem, researches concerning diffusion of radioactive substances in aquatic ecosystem, improvement of risk communication system and skill in society, construction of new distribution systems, and improvement of resilience in coastal communities, as well as reconstruction of coastal fisheries industries and communities. Needless to say, disaster itself is tragedy, though it provided good opportunities of problem based learning to Japanese fisheries scientists. Many serious discussions have rose through the process of those researches among fisheries scientists, ecologists, biologists, marine physicists, economist, sociologists, educators and politicians. We can expect creation of new scientific field through those discussions. The new field will contribute sustainable development of fisheries industries and coastal communities, resilience of coastal life and improvement of our quality of life in future world. Several scientific reports of such studies were published in 2012 and many scientific reports will be published within future 2 or 3 years.

The Japan Branch will make efforts to transmit such information to all over the world. International scientific forums are good opportunity for transmission. However, active member of the Japan Branch is recently decreasing and we cannot host international scientific forum independently. The branch requested Japanese Society of Fisheries Science (JSFS) to host 11th Asian Fisheries and Aquaculture Forum in March 2013. JSFS officially decided to announce their candidacy in next council meeting of AFS with condition of one year delay of 11th AFAF, because WFC will be held in Pusan in 2016 and if we hold AFAF in 2016 we cannot expect enough number of participants and AFS will be suffered serious operational damages.

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## THE FISH HEALTH SECTION

One of the two sections within the Society, the Fish Health Section (FHS) was founded in May 1989 with the following objectives: to (1) promote effective interaction and cooperation among persons involved in aquatic animal health research; (2) encourage and promote investigation and advances in knowledge of aquatic animal health; (3) focus attention on aquatic animal health problems by disseminating technical and other information on all aspects of aquatic animal health; and (4) promote the proper implementation of effective aquatic animal health protection practices in the region. More detailed information can be found at the society website at <http://www.fhs-afs.net/>.

The FHS is governed by an Executive Committee (ExeCom), with 11 members composed of the Chairperson, Vice-Chairperson, Secretary-Treasurer, and eight ExeCom members including the past Chairperson and the Fish Health Newsletter editor. The FHS/AFS Executive Committee for the period 2011–2014 was elected during the Ninth Triennial General Meeting (TGM–9) held in Mangalore, India on 23rd Nov 2011 in conjunction with the Eighth Symposium on Diseases in Asian Aquaculture (DAA8), a triennial symposia organized by the FHS. Following are the Exe-Com members. The present (2011–2014) Chairperson is Prof. Chadag Mohan from Network of Aquaculture Centres in Asia Pacific (NACA), Bangkok, Thailand.

FHS strives to promote interaction by bringing together fish health researchers to share their knowledge and experience. 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 earlier symposia in Bali, Indonesia (1990); Phuket, Thailand (1993); Bangkok, Thailand (1996); Cebu, The Philippines (1999); Gold Coast, Australia (2002); Colombo, Sri Lanka (2005); Taipei, Taiwan (2008) and Mangalore, India (2011). Each of these symposia brought together more than 300 aquatic animal health scientists, students, government researchers and industry personnel from over 30 countries to discuss issues pertaining to aquatic animal disease, their diagnosis, prevention and control. Further details on all the past DAA including publications are available at the FHS website.

The Triennial General Meeting (TGM) of the Fish Health Section is normally held in conjunction with the DAA which elects, by ballot, the officers of the Section and serves as a venue to conduct business meeting of the general assembly. The Section also co-organizes scientific symposia or workshops on topics of interest to the membership independently or in conjunction with the Asian Fisheries Society or any other organization with mutual interests in aquatic animal health.

The FHS is financed through the income from its triennial Symposia. There is no membership fee for FHS. Membership is open to all persons of the Asian Fisheries Society interested in the furtherance of the FHS objectives.

Current FHS membership spans many regions such as Africa (Nigeria, South Africa); Americas (Canada, Mexico, USA); Austral–Asia (Bangladesh, China, India, Indonesia, Iran, Israel, Japan, Korea Rep, Malaysia, Pakistan, the Philippines, Saudi Arabia, Singapore, Sri Lanka, Taiwan, Thailand, Australia, Mauritius, New Caledonia, New Zealand, Papua New Guinea); Europe (Belgium, Denmark, France, Germany, Hungary, Italy, Poland, Norway, The Netherlands, UK).

The FHS has formal contacts with the Asia Pacific Economic Cooperation (APEC), Food and Agriculture Organization of the United Nations (FAO), International Development Research Centre of Canada, Network of Aquaculture Centres in Asia–Pacific (NACA), Aquaculture Department of the Southeast Asian Fisheries Development Center (SEAFDEC), World Aquaculture Society (WAS) and the other professional global societies on aquatic animal health such as Fish Health Section of the American Fisheries Society, the European Society of Fish Pathology, and the Japanese Society of Fish Pathology.

The ninth Symposium on Diseases in Asian Aquaculture (DAA9) will be held in Ho Chi Minh City, Vietnam from 24–28 November 2014. In keeping with the tradition of previous DAA symposia, DAA9 in Vietnam is going to be a unique experience that you don't want to miss. Please mark the dates in your calendar of events and prepare to visit Vietnam to witness spectacular developments in aquaculture. Please look out for information on DAA9 and FHS on our website <http://www.fhs-afs.net>

## **THE FISH HEALTH SECTION**

**Chairperson: Prof Chadag Mohan**

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*The FHS/AFS Executive Committee for the period 2011–2014 held in Mangalore, India on 23rd Nov 2011, a triennial symposia organized by the FHS*



*Eighth Symposium on Diseases in Asian Aquaculture (DAA8) held in Mangalore, India in November of 2011 in conjunction with AFS–FHS Executive Committee 2011–2014*



## ASIAN FISHERIES SOCIAL SCIENCE RESEARCH NETWORK SECTION

The Asian Fisheries Social Sciences Research Network Section (AFSSRN) was established in 1996. Prior to this, it was a research network launched as a project of ICLARM (now the World Fish Center) in 1983 to address the need to enhance social science research capabilities of relevance to capture fisheries, coastal resource management and aquaculture in Asia. ICLARM actively coordinated the Network from 1983–1996. AFSSRN received funding support from ICLARM, IDRC and the Ford Foundation, and evolved through four Phases of Social Science research and training/capability–building components.

- Phase 1 focused on fisheries economics;
- Phase 2 focused on key issues affecting the development of capture fisheries and aquaculture (technology, fish marketing and resource management);
- Phase 3 focused on the social science aspects of fisheries and aquaculture resources management; and
- Phase 4 addressed policy analysis and social science research applicable to fisheries and coastal resource management.

By the time IDRC support ended in 1996, the Network consisted of 15 research teams, totaling more than 80 researchers, at universities, research institutions and government fisheries agencies in Indonesia, Malaysia, Thailand, the Philippines and Vietnam.

In an attempt to sustain the Network, ICLARM provided some funds for one annual training and team leaders meeting, at which it was agreed that AFSSRN would apply to become a section of the Asian Fisheries Society. With the acceptance by AFS, the Network drew up a Constitution, consequently approved in Bali, Indonesia in March 1996. In this Constitution, ICLARM accepted a lead role, specifically to serve as vice–chairman of the executive committee. ICLARM staff would continue to provide technical guidance to the AFSSRN and also publish AFSSRN News in NAGA, ICLARM’s quarterly publication. Dr. Nik Mustapha Abdullah was elected as the Chair of the Network and the Vice–Chair was filled by Dr. Kuperan Viswanathan of the WorldFish Center.

In 1997, an AFSSRN meeting was held in Phuket, Thailand. In November 1999, a special session of the AFSSRN on socioeconomic issues in fisheries in Asia was organized at the 5AFF in Chiang Mai, Thailand. Section members who attended the Fisheries Co-management Research Workshop at the Coastal Resources Institute (CORIN), Prince of Songkla University, Hadyai, Thailand in October 2–7, 2000 were also involved in undertaking research for the phase two of the Coastal Resources Co-management Project undertaken by World Fish Center.

In 2006, AFS tasked Ida Siason of University of the Philippines Visayas to reactivate the Section as a vehicle to strengthen social science analysis in fisheries and aquaculture research. An internet-based survey was taken of AFS member who indicated preference for Section membership. In 2007, during the 8AFF at Kochi, India, a meeting was held among social scientists to discuss possible ways forward. The follow-through discussions on this were carried on through email. Another meeting was held with social scientists of Shanghai Ocean University in 2009, to stimulate interest in the Section in anticipation of the 9AFAF to be held in Shanghai in 2011. Furthermore, a core group from several countries with AFS members was formed to anchor the Section interest, and the members agreed to be the Section's resource person on matters pertaining to social science concerns in their geographic area. In

September 2010, AFS appointed Dr. Nerissa Salayo of SEAFDEC (Aquaculture Department in the Philippines) to be the Coordinator of the AFSSRN. However in mid 2012 Dr. Salayo asked to be relieved of the coordinatorship for personal reasons. At present the network is in search of an AFS member who will volunteer to assume the responsibility of activating this section.

The reactivation of the AFSSRN will enable the network to tap the potentials of scientists in the member countries and build their capabilities to deliver better science in the sector. The following objectives on which AFSSRN was established continue to be relevant, given the new challenges in the dynamic fisheries and aquatic resources sector:

- To promote effective interaction and cooperation among persons involved in living aquatic resources social sciences research;
- To encourage and promote investigation and advances in knowledge of living aquatic resources social sciences;
- To focus attention on living aquatic resources social sciences problems by disseminating technical and other information on all aspects of living aquatic resources social sciences and management; and
- To promote the proper use of living aquatic resources social sciences research practices and results in the region.

**ASIAN FISHERIES SOCIAL SCIENCE RESEARCH  
NETWORK SECTION**

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*Meeting of Fisheries Social Science group during  
8AFF in Kochi, India 2007*



*Meeting of the Social Science Group at the  
SHOU in 2010.*

## GENDER IN AQUACULTURE AND FISHERIES

In its activities on gender and fisheries, the Asian Fisheries Society has been a global pioneer among fisheries and aquaculture professional societies. It leads other professional societies in its focus on gender in aquaculture and fisheries. AFS has changed perceptions of women's importance in the sector. It has revealed the changing roles and contributions of women and men in fish supply chains. Gender roles, contributions, policies and practical pathways for improving people's lives and the performance of the fish supply chain have become, since 1998, regular topics at the triennial AFS Fora. AFS also supports networking and web-based activities between the Fora.



*Meeting of gender research leaders from around the world held after the GAF2 Symposium during 8AFF in Kochi, India 2007.*

In 1990, the AFS Indian Branch conducted the first event, namely its Indian Women in Fisheries Workshop. On the main AFS agenda, the women/gender symposia started from a 'women in fisheries' photo competition held at the 1995 4AFF in Beijing, sponsored by PADEK, a Cambodian non-government aid agency and two earlier PADEK-led women in fisheries in workshops, Cambodia (1994) and Indochina (held in Cambodia in 1996). These events focused on women's major contributions to fisheries

in Cambodia, Laos, Thailand and Vietnam and recommended that an Asian symposium be held.

In 1998, AFS then convened its first symposium, on 'Asian Women in Fisheries' at the 5AFF in Chiangmai, Thailand and followed that with the 2001 'Global Women in Fisheries' symposium at the 6AFF in Kaohsiung, Taiwan. This larger forum attracted participants from Asia, Africa, North and South America, Europe and Oceania. Among other outcomes, this Symposium was the first in the world to raise the issue of the high incidence of HIV/AIDS in some fisheries communities, leading development agencies and governments to start to pay attention to this serious health challenge. In 2002, AFS and WorldFish Centre set up the Gender and Fisheries List server. In more recent years, this list has been replaced by a number of social media outlets under the Genderaquafish.org umbrella (see addresses below).

The AFS symposia built the case for the importance of the whole fish supply chain and the contributions by women and men, and their power relations within the fishery sector. Therefore, AFS broadened its attention to 'gender' rather than just women and deepened its approaches to encourage more research. In 2004, the First Global Symposium on Gender and Fisheries was held in Penang, Malaysia, at the 7AFF. The theme was 'Changing Tradition: First Global look at the Gender Dimensions of Fisheries'. Delegates considered the impact of HIV and AIDS, globalization and trade on women, and worked towards making the conceptual shift from 'women in fisheries' to 'gender and fisheries'.

At the 8AFF Kochi, India, the 2nd Global Symposium on Gender and Fisheries had the theme ‘Gender and Fisheries: solutions through gender research’ and addressed (1) gender issues in inland and coastal resource management and aquaculture, (2) income, fish processing, trade, globalization and WTO, (3) nutrition and human health, (4) gender mainstreaming in fisheries research and development projects and (5) models for successful fishing/fish farming families/communities.

In 2011, the 3rd Global Symposium on Gender in Aquaculture and Fisheries (GAF3) was held at 9AFAP in Shanghai, China. It was the largest event to date and the proceedings and deliberations were accompanied by a special one day Food and Agriculture Organization Special Workshop on Future Directions for Gender in Aquaculture and Fisheries Action, Research and Development.

Common themes from GAF3 were: social context needs deeper diagnosis than gender alone in order to understand the complex ‘back stories’ ; women are still invisible and often marginal in the fish sector, trade and natural resource management, although mainstream exceptions exist; the conundrum that women have access to micro-finance yet are not managing to build assets; and that institutions still struggle to achieve gender equality. Messages of hope also emerged, founded on intrinsic community and personal resilience strategies and innovations such as through training and inclusive governance.

Since GAF3, and partly as a result of it, several key fisheries and aquaculture national, regional and international agencies have held institutional events to develop policies and programs to address gender equity in the sector and in their institutions. At the same time, global attention to women in agriculture has also increased, partly creating the enabling environment for greater effort in the fishery sector.

The 4th Global Symposium on Gender in Aquaculture and Fisheries (GAF4) will be held in 2013 as part of 10AFAP in Yeosu, Korea. As well as hearing the latest on research, the event will be convening a number of panels and small workshops to explore how to stimulate more progress on gender equality.

Copies of and links to the reports from all five Asian Fisheries Society Symposia and the 1990 Indian workshop can be found at: <http://genderaquafish.org/resources-3/asian-fisheries-society-genderwomen-and-fisheries-resources/>.

Dr. Meryl Williams ([MerylJWilliams@gmail.com](mailto:MerylJWilliams@gmail.com))

Web-based and social media for AFS Gender in Aquaculture and Fisheries

<http://genderaquafish.org/>

<https://www.facebook.com/pages/AFS-Gender-in-Aquaculture-and-Fisheries/181176555231544>

@Genderaquafish (Twitter)

Genderaquafish Google Group [genderaquafish@gmail.com](mailto:genderaquafish@gmail.com)

## THE COUNCIL

The Society is governed by a Council consisting of up to 15 councilors who are elected for a three-year term. The daily affairs of the council are run by an Executive Committee consisting of the President, Vice-President, Immediate Past President, Treasurer, Secretary and the In-coming President.

Council holds regular annual meetings to discuss and approve major decisions on behalf of the Society. Since the 1st Asian Fisheries Forum in 1986 in Manila, the Council has held 42 council meetings. These meetings are usually held in member countries on a rotational basis. For more information on the functions of the AFS Council and its management roles, please visit the AFS website: [www.asianfisheriessociety.org](http://www.asianfisheriessociety.org) and the AFS Constitution.



*The first AFS Council, 1984–1986*



*The 29th Council meeting held at the old AFS Secretariat, Manila.*



*The 35th Council meeting held in Taipei chaired by the late President Prof. Yang Yi.*



*The 32nd Council meeting in University Putra Malaysia in March 2007.*



*The 38th Council meeting at KORDI, South Korea*



*The 39th Council meeting chaired by President Prof. Ida Siason in Shanghai Ocean University in April 2011*

First Council (1984-1986)	Second Council (1986-1989)	Third Council (1989-1992)	Fourth Council (1992-1995)	Fifth Council (1995-1998)
<p>Dr. Chua Thia-Eng - President                      Dr. William Dall                      Dr. Brian Davy                      Dr. H. Muhammad Eidman                      Dr. Edgardo Gomez                      Dr. Reijiro Hirano                      Dr. Rogelio Juliano                      Dr. T.J. Lam                      Dr. I Chiu Liao                      Mr. Jay L. Maclean                      Prof. Brian Morton                      Dr. Richard A. Neal                      Dr. Twesukdi Piyakarnchana                      Prof. Meng Qingwen                      Dr. U. Raj                      Dr. Dionisia Rola                      Dr. Sena S. De Silva</p>	<p>Dr. Chua Thia-Eng - President                      Dr. Kenji Chiba                      Dr. Brian Davy                      Dr. Muhammad Eidman                      Mr. Darryl Grey                      Dr. Reijiro Hirano                      Dr. Rogelio Juliano                      Dr. Akio Kanazawa                      Dr. T.J. Lam                      Dr. I Chiu Liao                      Dr. Liu Hsi-Chiang                      Mr. Jay L. Maclean                      Dr. Minoru Nomura                      Dr. Twesukdi Piyakarnchana                      Prof. Meng Qingwen                      Prof. H.P.C. Shetty                      Dr. Sena S. De Silva                      Dr. Elvira Tan (+)</p>	<p>Dr. Chua Thia-Eng - President                      Dr. Kenji Chiba                      Dr. Fuad Cholik                      Dr. John Copland                      Dr. Brian Davy                      Mr. Darryl Grey                      Dr. Akio Kanazawa                      Mr. Pinij Kungvankij                      Dr. Khoo Wong Hoo                      Dr. Flor Lacanilao                      Dr. T.J. Lam                      Dr. I Chiu Liao                      Dr. Liu Hsi-Chiang                      Mr. Jay L. Maclean                      Prof. H.P.C. Shetty                      Dr. Sena S. De Silva                      Mr. Zhiwen Song</p>	<p>Dr. Liu Hsi-Chiang - President                      Dr. Fuad Cholik                      Dr. Chua Thia-Eng                      Dr. Efren Flores                      Dr. Edgardo Gomez                      Mr. Jia Jian San                      Dr. Khoo Hong Woo                      Mr. Pinij Kungvankij                      Dr. Ching-Ming Kuo                      Prof. Lin Hao-Ren                      Dr. Andrew McNaughton                      Dr. Piamsak Menasveta                      Dr. T.J. Pandian                      Dr. Mohamed Shariff                      Prof. H.P.C. Shetty                      Mr. Bernard R. Smith                      Prof. Fumio Takashima</p>	<p>Dr. Mohamed Shariff - President                      Dr. Takafumi Arimoto                      Dr. Angela Arthington                      Dr. Yew-Hu Chien                      Dr. Maitree Duangsawasdi                      Dr. Efren Flores                      Dr. Edgardo Gomez                      Dr. In-Bae Kim                      Dr. Liu Hsi-Chiang                      Dr. Piamsak Menasveta                      Dr. S.C. Pathak                      Mr. Bernard R. Smith                      Dr. Aprilani Soegiarto                      Prof. Fumio Takashima                      Prof. Tang Qisheng                      Dr. Kamonporn Tonguthai                      Dr. Jahara Yahaya</p>

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# 10<sup>th</sup> COUNCIL April 2011- May 2013



**Dr. Derek Staples**  
President  
Australia



**Prof. Ida Siason**  
Immediate Past President  
Philippines



**Prof. Shoulin Huang**  
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**Prof. Hisashi Kurokura**  
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**Dr. Aziz Arshad**  
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**Dr. Soon-Kil Yi**  
Korea



**Prof. Shi-Yen Shiau**  
Taiwan, China



**Muhammad F. A. Sondita**  
Indonesia



**Dr. Joebert D. Toledo**  
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**Prof. Sang Duk Choi**  
Korea



**Prof. Jeong-Yeol Lee**  
Korea



**Prof. Mudnakudu C. Nandeesh**  
(The Late) - India



**Dr. Sirawut Klinbunga**  
Thailand



**Prof. XinZhong Wu**  
China



**Prof. Neil Loneragan**  
Australia

## In Memory of Senior AFS Members

Since its establishment in 1984, AFS has had many distinguished Honorary Life Members (HLM), Past Presidents (PP) and Senior Members who have served on the Council and who have contributed significant amount of their energy and time to support the society.

It is nearly 30 years since the Society was established and some of these members have left us. As part of the celebration of the 30th anniversary of the Society, we would like to remember these people and say thank you to all the distinguished members who have supported us—R.I.P. Below are some distinguished members who have passed away in recent years.



*Dr Shao-Wen Ling –HLM*



*Dr Katsuzo Kuronuma  
– HLM*



*Dr Yasuo Ohshima –HLM*



*Prof. A. Kanazawa – HLM*



*Prof. Yang Yi – PP*



*Prof. M. C. Nandeeshah  
–Councilor*

## In Memory of DR. M. C. NANDEESHA

**1<sup>st</sup> July, 1957 – 27<sup>th</sup> December, 2012**



Mudanakude Chennabasappa Nandeesh was born on 1st July, 1957 at Mudanakudu village, near Mysore, India in a rural farmer family. He had his professional fisheries education at the college of fisheries, Mangalore (1976–1982) and earned Ph.D from Viswa Bharati (1992). He married Dr. Rajeswari Dayal in 1988. During his professional career, he served in many organizations in various capacities: as Research Assistant in Agricultural College, Dharwad from 1982 to 1985, Assistant Professor at College of Fisheries from 1985 to 1992, Fisheries Adviser to PADEK, Cambodia and Adjunct Professor with the Fisheries Faculty of Royal University of Agriculture, Royal Government of Cambodia, Phnom Penh, Cambodia from 1992 to 1997, Associate Professor at College of Fisheries, Mangalore from 1997 to 1998, Research and Dissemination Adviser to LIFE under CARE, Bangladesh from 1998 to 2000, Project Coordinator for GOLDA under CARE, Bangladesh from 2000 to 2001, Independent Consultant, Aquatic Resources Management in 2001, Professor and Department in Charge, College of Fisheries, Central Agricultural University, Agartala, Tripura, India, Honorary adviser, St. Xavier's Vocational Training Centre, Independent Project Consultant to NACA, FAO, World Bank on various projects, Dean, Fisheries College and Research Institute, Tamil Nadu Veterinary and Fisheries University, Thoothukudi, Special Officer for Tamil Nadu Fisheries University, Nagapattinam from March 2012. At the time of his untimely death on 27th December 2012, he was just been appointed as the first Vice Chancellor of the newly formed Tamil Nadu Fisheries University, a position which he could not take up due to his hospitalization.

Dr. Nandeesh held many honorary positions during his professional career of 29 years. He was serving on the team of Global Initiative for Life and leadership through Aquaculture (GILLS), Chair of Aquaculture without Frontiers, Member of the Oversight Committee of Best Aquaculture Practices of the Global Aquaculture alliance, Council Member of Asian Fisheries Society (AFS) and Chairman of the Indian Branch of AFS.

Dr. Nandeesh was a founder member of AFS as well as its Indian Branch. He was recipient of numerous awards and recognitions which include Prof. H.P..C. Shetty Award, Sahameitrei Award of the Cambodian government, Gold Medal Award of the Asian Fisheries Society, K.C.Naik Award of the Indian Branch of AFS, Research Excellence Citation from Syndel Laboratories, USA, Award from International Foundation for Science for excellence in aquaculture nutrition research, Best Teacher Awards, Nagamma Dattareya Rao, Desai Award, Young scientist Awards, Pauster Medal etc.

He was instrumental in not only the establishment of the Indian Branch of AFS but also contributed to its overall development to make it a vibrant organization in the Indian fisheries scenario. The ten triennial Indian Fisheries For a held so far, numerous workshops, seminars, farmer meets, demonstrations, young scientist awards, Prof. HPC Shetty Awards, Prof Matty–Prof Pandian Awards, K.C.Naik Award, Students’ International travel Fund, Website, e–newsletter all stand testimony to the vision and mission of Dr. Nandeesh. He served as Secretary of the Indian Branch for two terms and in 2011 he was elected as Chairman of the AFS Indian Branch and Council Member of AFS during the 9afaf in Shanghai. He was busy organizing the Global Symposium on Aquatic Resources for Poverty Alleviation in commemoration of the silver jubilee of the indian Brach when destiny struck in the form of a heart attack and he was hospitalized. Even from the ICU in the hospital, he was monoitoring the arrangements for the Symposium. In spite of the best efforts and over a month hospitalization, his life could not be saved; he left all of us on 27th December, 2012.

Dr. Nandeehs was a visionary and an extraordinary person. He could not only dream, but also transform his dreams in to realities. He lived a life with out fear, upholding the principles he believed in, fearing nothing which at times created difficulties for him. Till the last day he had only one thought in mind, build up the organization and live low, but think high. The words of Pierre de Courbertin were very true in is case: “The most important thing in life is not the triumph but the struggle. The essential thing is not to have conquered but to have fought well” . He lived a life fighting for what he believed is right and just. The fisheries and aquaculture sector lost an extraordinary person. He taught his colleagues that the future belongs to those who believe in the beauty of their dreams. He showed to all that what is important is not how long one lives, but how one live. His life has been an inspiration to all those who believed that tomorrow will be brighter and warmer. He made every one associated with him to dream big, think beyond. We recall what George Patton Jr. said: “It is foolish and wrong to mourn the men who died. Rather we should thank God that such men lived” . His life and thoughts will continue to inspire all of us in AFS.



*Dr. Nandeesh with team India at 9afaf, Shanghai, 2011*

## FORMING THE SOCIETY

The history of AFS goes back to May 1983 when seven fisheries scientists from Southeast Asia met in Manila to organize a group aimed at improving interaction and cooperation among fisheries scientists and institutions within the region.

At that time, there was no common forum for Asian fisheries scientists to consider and express their views on important issues of mutual concern. With virtually no formal mechanism through which scientists could link up regularly to share information, the process of regular exchange and research collaboration proceeded in an unsystematic and ineffective manner.

Asia has been and still is the leading world producer of fish. Its long history of fishing and fish farming has attracted several thousand scientists, researchers and students to the field of tropical fisheries and aquaculture. As their numbers grew, the more apparent became the need to improve interaction and cooperation among fisheries scientists and institutions. Thus, the seeds for the Asian Fisheries Society were sown.

The purpose of the 1983 meeting was to plan a regular scientific forum. Initially, this group of seven conceived only a Southeast Asian forum but it grew to cover a wider geographic area. This zone has no cohesive name as far as communities of nations are concerned but the group finally decided to use the term Asian (Fisheries Society). In the 2007 revision of the AFS Constitution, to provide clarity, the 8th AFS Council defined the footprint of the Society as covering the Asia–Pacific region stretching from Turkey and Saudi Arabia in the west to Japan in the east, and from the Russian Federation in the north to New Zealand in the south.



*The group that gathered in Manila on 23–24 May 1983 at the invitation of the WorldFish Centre to discuss the need for a regional forum and society. L–R: Dr. Richard Neal (WorldFish Centre); Dr. Muhammad Eidman (Indonesia); Dr. Chua Thia–Eng (Malaysia); Dr. Twesukdi Piyakarnchana (Thailand); Dr. Bruce Morton (Hong Kong); Dr. Roger Juliano (Philippines); Mr. Jay Maclean (WorldFish Center) acted as secretary; and Dr. I Chiu Liao (Taiwan).*

The idea of forming a society came about as the next logical step: it would ensure continuity of the regional meetings and provide a more organized system for the conduct of activities. The group formed a “Foundation Council for the Proposed Asian Fisheries Forum and the Asian Fisheries Society”, and co-opted a few more colleagues to make the Council more representative of the entire Asian fisheries community. Dr. Chua–Thia Eng was elected as the Foundation Chairman. The first public airing of the Council’s ideas was through a proposal delivered at the International Conference on Development and Management of Tropical Living Aquatic Resources in Malaysia, August 1983. There was unanimous agreement with the idea of both a regional society and regular forum.

To find out if many others shared the idea of a regular forum and society and were interested enough to join, the WorldFish Centre (former International Center for Living Aquatic Resources Management, ICLARM) volunteered to distribute questionnaires through its newsletter. The response was overwhelmingly supportive—over 800 people responded from all over Asia and beyond.

Encouraged by this enthusiastic response, the Foundation Council met again to finalize plans for the 1st Asian Fisheries Forum. A constitution for the Asian Fisheries Society was drafted and guidelines for Forum and Society activities were drawn.

On 2 May 1984, in a short, historic meeting, the constitution was adopted as the basis of the Asian Fisheries Society. The Society then held its first general assembly and elected its councilors and first set of officers.



*In a seminar at Los Baños, Philippines, in May 1984. L–R: Drs. Juliano, Neal, Chua, Hirano and Chancellor Rola.*



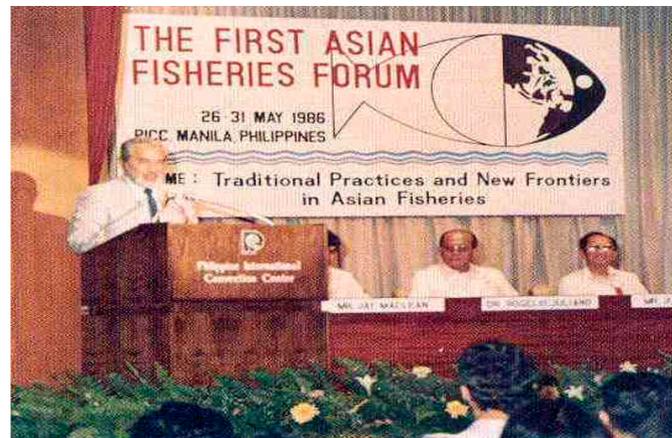
*Group photograph for the May 1984 meeting at Los Baños. L–R: Drs. Chua, Morton, Liao, Neal, Mr. Maclean, Drs. De Silva, Davy, Lam, Gomez, Hirano, Juliano and Chancellor Rola. Missing is Dr. Piyakarnchana, the photographer.*

Generous support provided by the following institutions made it possible for those first few crucial meetings to take place: WorldFish Centre; International Development Research Centre, Canada (IDRC); University of Tokyo, Japan; University of Hong Kong; University of the Philippines in the Visayas; Australian Centre for International Agricultural Research (ACIAR).

The two years that followed were devoted to preparations for the Society's first major event, the 1st Asian Fisheries Forum scheduled for May 1986, and undertaking all the myriad tasks required to nurture a young society, including: securing financial support, expanding membership and publicizing the Society and its planned projects. This was both an exciting and challenging time for the Society.

In October 1986, the Society was registered as a nonprofit, non-stock corporation under Philippine laws. The Asian Fisheries Society, Inc. served as the legal arm of the Society. Dr. Chua Thia-Eng became the Society's first President.

National, international and donor agencies/bodies provided assistance to the Society in terms of direct monetary aid, travel grant to attend meetings, rural grants, journal/publication support, consultancies, acquisition of a new headquarters, logistical support and guidelines.



*The Opening Ceremony of the 1st Asian Fisheries Forum.*



*Drs. Chua (L) and Liao look understandably proud following the adoption of the Society's constitution. Dr. Chua became the Society's first President.*

## THE SOCIETY HEADQUARTERS THE ORIGINAL HEADQUARTERS IN THE PHILIPPINES

At the 4th Asian Fisheries Forum held in October 1995, the Council, spearheaded by newly elected President, Prof. Mohd. Shariff and past presidents, Drs. Chua Thia Eng and Liu Hsi-Chiang, launched a funding drive for the newly acquired Society building. The drive called “Buy-a Brick”, where any interested party could buy a brick for USD10 each, stimulated a lot of enthusiasm from both members and friends of the Society present during the Forum. The Headquarters was a multi-leveled townhouse located at UP Village in Quezon City, Philippines. Purchase was made possible by utilizing savings generated during the last ten years and personal loans provided by past and present Council members (at zero interest rate). Donations solicited in Beijing covered part of the loan payments due.



*The original Society headquarters—the “townhouse”, Manila.*



*Dr. Chua is assisted by Mr. Cui He (China) during buy-a-brick campaign (4AFF, Beijing)*

The acquisition of a permanent home for the Society was made possible through the genuine efforts of its Councilors, members, colleagues and friends the world over and the Society is especially indebted to those who have provided the initial funds to put this up, especially Chua Thia-Eng, Flores, Efren Eduardo, Gomez, Edgardo, Japan Branch, AFS (Fumio Takashima), Liao I Chiu, Liu Hsi-Chiang, Menasveta, Piamsak, Shariff, Mohamed, Smith, Robert Bernard, Chen Jin-Tyan (Taiwan Deep Sea Tuna Boatowners & Exporters Assoc.), Lee Tien-Tsai (King Car Food Ind. Co., Ltd.), and Tsai Ting-Pang (Fong Kuo Shipbuilding Co., Ltd.). (see full list in the “Donors” section).

## THE NEW HEADQUARTERS IN MALAYSIA

AFS moved to a new location on the campus of the Universiti Putra Malaysia (UPM) in 2008. A memorandum of agreement (MOA) was signed with UPM on 18th of November 2008 with AFS represented by the late Prof. Yang Yi (AFS President until July 2009), Prof. Fatimah Md. Yusoff (Honorary Treasurer) and Prof. Roshada Hashim (Honorary Secretary) with the presence of the Vice Chancellor of UPM, Prof. Datuk Dr. Nik Mustapha R. Abdullah. This MOA will be in place for five years with an option for a further five years.



*The new AFS Headquarters, Institute of Bioscience, Universiti Putra Malaysia*



*Signing the MOA for the new AFS headquarters—November 2008*

The Society has been registered with the Registrar of Society Malaysia on 20th August 2008 and the secretariat officially started its operation in March 2009. The Secretariat is now fully functioning and being managed by the new Executive officer, Ms. Mariati Tiansin, who took over as Executive Officer from Ms. Emi Flores. Ms. Tiansin holds B.Sc. (Hon.) Degree in Petroleum Chemistry and formerly worked as a Research Assistant in Department of Chemistry, Faculty of Science, Universiti Putra Malaysia. Mariati left the Secretariat and was replaced by Ms Jocyntha Joseph in late 2011.



*Ms Jocyntha Joseph  
Executive Officer, AFS*



*Women power in the new AFS Secretariat—Former Executive Officer Mariati Tiansin (Centre), with Dr Ida Siason (L) and Dr Fatimah Md. Yusoff (R)*



*More women power—Former EO, Emi Flores, Drs Fatimah and Roshada with Mrs Shiau (standing)*

# DONORS

**Many AFS members donated money to support the Society to buy the townhouse in Manila where the Secretariat was based for many years. The list of donors are given below:**

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Australian Centre for International Agricultural Research (ACIAR—Fisheries Program)—For supporting capacity building, R & D and sustainable projects development in many AP countries since the mid–1990’ s;

Kanazawa Trust Fund—For funding the Kanazawa scholarships for young scientists which were awarded during the 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> AFAF;

Malaysian Fisheries Society and Department of Fisheries, Malaysia—For support in running the CAA3 in Kuala Lumpur, Malaysia in 2011;

International Seafood Sustainability Foundation (ISSF)—For support in the FishWatch—Asia Pacific program, a key project of the AFS;

FAO, UN—for support to the 9<sup>th</sup> and 10<sup>th</sup> AFAF and publication of the GAF3 proceedings as a special publication of the Asian Fisheries Science Journal;

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