



The Asian Fisheries Society Year Book-2016



President's Message

On behalf of the 11th Council it is my great pleasure to send this message and report for inclusion in the AFS Year Book covering the period 2013-2016.

The 11th Council started the term faced with many challenges and new opportunities as we progressed through the triennial term. The major challenges, opportunities and achievements are summarized below:

1. Identified and finalized the host country and Convener to run the 11th Asian Fisheries and Aquaculture Forum (11AFAF); Thailand was appointed the host and Dr Cherdsak Virapat, Director General, NACA as the Convener;
2. Completed negotiation for a new agreement with UPM for hosting the AFS Secretariat;
3. Progressed the hosting of the AFS Journal, Asian Fisheries Science Journal (AFSJ) by UPM;
4. More papers need to be published in each of the four issues of AFSJ published annually;
5. Finalized the AFS Operation Manual to guide the work of the Councillors and Executive Officer;
6. Finalized the agreement with Aquafish Innovations Laboratory (formerly AquaFish CRSP), USA to provide US\$25,000 funding support to future AFS initiatives/activities and to take-over the management of the CRSP funded Yangyi's Travel Fellowship awards;
7. Appointment of a 3-person Council Advisory Group (CAG) to assist the work of the President and Council;
8. Revitalised the AFS-Japan Branch (AFS-JB) and relocation of the branch to the Faculty of Fisheries, Kagoshima University (KU), Japan; finalized the appointment of Professor Shunsuke Koshio from KU as the new Chair, AFS-JB;
9. A major new initiative of the Council is to fund the development of *MyConferences* website – www.afsconferences.net to manage all conference activities of the Society; Drs. Chan-Lui Lee and Mohan Modayil were appointed to manage the development/implementation of the project;
10. Under the leadership of Dr. Meryl Williams, the Gender and Fisheries Group (GAF) has grown from strength to strength. The Council approved the inauguration of the group as a section of the Society with its own elected Chair and committee members;
11. Supported the work of Dr Meryl Williams on the FishWatch project. Since approved by the 8th Council in 2006/07, the program has expanded into a major activity of the Society with funding mainly from USA and supported by many fisheries scientists and members;
12. Successfully ran two major conferences of the Society – the ISAFE2 and CAA5 hosted by China and India respectively. The two symposia generated about US\$30,000 for AFS;
13. Improve the functions and 'users friendly' features of the AFS website; make online viewing of the AFS activities easier and faster;
14. Strengthened the performance of the EO and the services provided by the Secretariat.



Prof. Shuolin Huang
President

In conclusion, the 11th Council term was an exciting one with many challenges but also with many positive outcomes that pushed the Society forward. It will not be possible to achieve all the outcomes without the support and efforts of my councillors, friends of AFS and members of the Society – which I thank with my heart but too many to mention individually. I therefore apologize that I can only acknowledge a few key individuals who supported and worked with me during my term. In particular, I would like to acknowledge the contribution of the following:

- Dr Alice Ferrer – at time of urgent needs, she put up her hands to take-over the position of the Vice-President and Chair, Scientific Committee, 11AFAP. Her efforts and dedications are much appreciated by me and the Council;
- Dr Chan-Lui Lee, Former President and Honorary Life Member (HLM) AFS – as the Co-ordinator, CAG supported me in resolving many difficult issues. His in-depth and breadth of knowledge on the past history, functions and operations of the Society is second to none. He had never said 'No' to my requests to assist the Society. As the team leader for *MyConferences* website development, he spent >3 solid months full time, searching, compiling and summarizing the AFS conference records. Without his dedication, a lot of the conference history of the Society may have been lost forever. To him my sincere thank you;
- Dr Meryl Williams, HLM AFS – her leadership in the FishWatch program and her dedication to the GAF Section is an example to all AFS members and shows how an individual member can make a real difference to the Society;
- Dr Mohan Modayil, HLM, AFS – for his unfailing support to the AFS-IB, the running of CAA5 and his partnership with Dr Chan Lee to develop *MyConferences* website;
- Dr Cherdsak Virapat, DG, NACA for his efforts in organizing and managing the 11AFAP;
- Dr Aziz Arshad for looking after the finances at the Secretariat and supervising the newly appointed EO, Ms Malathi whom I believe will develop into a capable EO;
- Dr Tina Zhou, Shanghai Ocean University – for her dedication in supporting my work with AFS and organizing/running ISAFE2. Her support was invaluable to me.

Last but not least, Shanghai Ocean University, the institute I am working for, and my colleagues worked there -- for financial and personnel supports in AFS matters.

Thank you for your attention.

ShuoLin Huang
黄硕林

Professor Huang ShuoLin
President, 11th AFS Council
8th July 2016

Incoming President's Message

Dear Esteemed Members of the AFS,

Greetings!!

First of all, I convey my heartfelt thanks to the President, Prof. Shuolin Huang; Immediate Past-President, Dr Derek Staples; and all other Members of the Eleventh Council of the Asian Fisheries Society for keeping confidence on me, and unanimously electing me as the Incoming President of the AFS for the period 2016-19. I also sincerely thank Dr. Chan-Lui Lee, Dr. Mohan J. Modayil and Dr. Meryl J. Williams for their guidance from time to time. I consider myself privileged and honoured in having opportunity in associating myself with this prestigious scientific organisation as the Councillor from India during last three years, and I owe all of you members for your good wishes and support at all times. Further, with your continued cooperation and support, we at Asian Fisheries Society Indian Branch (AFSIB), known to be the most vibrant Branch of AFS, could take lead in bringing together the scientists, academicians, developmental personnel, policy makers, students and entrepreneurs to common platforms periodically to deliberate on issues and plan for the future of R&D in fisheries and aquaculture in the region. As the Chairman of AFSIB, I would also like to convey my sincere gratitude to all of you.

AFS, during last 32 years of its existence, has transformed to a vibrant International Scientific Society, dedicated for fisheries and aquaculture development in the Asia-Pacific - the major fish producing region in the globe. The efforts of the Society in organisation of last 10 Asian Fisheries and Aquaculture Forum (AFAF), uninterruptedly in every three years at different countries, have provided appropriate platforms for the scientific communities and all other stakeholders associated with the fisheries and aquaculture sectors for scientific deliberations on different critical areas.

During last three years the AFS successfully organised the '5th Global Symposium on Gender in Aquaculture' during 13-15 November, 2014 in collaboration with AFSIB at Lucknow, India. The 5th International Symposium on Cage Aquaculture in Asia (CAA5) organized by the Society in collaboration with the ICAR-Central Marine Fisheries Research Institute, India and the AFSIB at Kochi, India during 25 -28 November, 2015 was a thumping success. Further, I sincerely wish that the 11AFAF to be organised at Bangkok, Thailand during 4-7 August, 2016 would be another significant milestone in providing appropriate platform for scientific deliberations on various issues of fisheries and aquaculture in the region and formulate strategic roadmap for the development of the sector.

The spread of the message of AFS has been possible only due to the dedication, commitments and hard work of all the Members of the preceding Executive Councils since its inception in 1984 and continued faith and guidance of the honoured members of the Society. At this important moment, I take this opportunity to convey my gratitude to all of you, and the Past Presidents, Vice-Presidents, Secretaries and all other Members of the Executive Councils in particular, for your continued efforts in taking the AFS to this present level, and seek your advice and guidance not only for effective functioning of the AFS, but also taking the Society to a newer height.



Dr. J.K. Jena
Incoming President, AFS


(J. K. Jena)

Contents

Sl. No.	Subject	Page
1.	Asian Fisheries Society - A Prelude	1
2.	Objectives of the Society	3
3.	Our Society Members	4
4.	Honorary Life Members of Our Society	6
5.	Award Winning Members of Our Society	8
6.	Linking Fisheries Scientists	10
	<i>The Asian Fisheries Forum (AFF)</i>	10
	<i>International Symposium on Cage Aquaculture in Asia (CAA)</i>	17
	<i>International Symposium on Aquaculture and Fisheries Education (ISAFE)</i>	24
	<i>Gender in Aquaculture and Fisheries (GAF)</i>	29
7	Developing Young Scientists	34
8.	Addressing Fisheries Issues	36
9.	Disseminating Information	39
	<i>Journal of Asian Fisheries Science</i>	39
	<i>E-Newsletter</i>	40
	<i>Social Network</i>	41
	<i>Publications</i>	41
	<i>Forum Proceedings</i>	46
10.	Promoting Global Cooperation	48
11.	Encouraging Network Formation	50
	<i>The Taiwan Branch (AFS-TB)</i>	51
	<i>The Indian Branch (AFS-IB)</i>	54
	<i>The Japan Branch (AFS-JB)</i>	60
	<i>The Fish Health Section</i>	62
	<i>Asian Fisheries Social Science Research Network Section</i>	65
12.	The AFS Council	67
13.	In Memory of Our Senior AFS Members	72
14.	The Society Headquarters	73

Asian Fisheries Society - A Prelude

The Asian Fisheries Society (AFS), a non-profit scientific society, was founded by the fishery professionals in Asia in 1984. The Society aims at promoting co-operation and networking between all stakeholders involved in fisheries sector, including those in production, research and development in Asia. The ultimate objective of the Society has been to enhance the food security and opportunities for income generation for fishers and fish farmers in the region.

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.

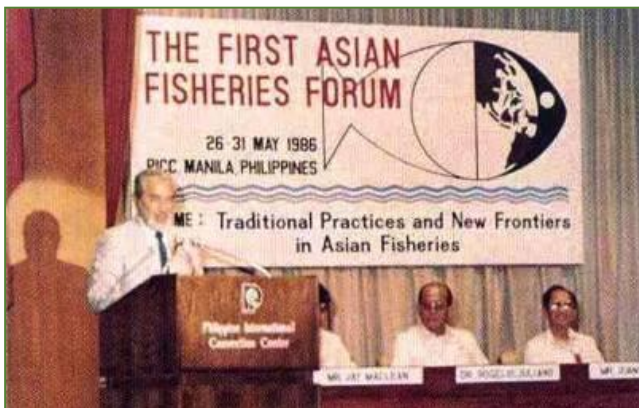
The purpose of the 1983 meeting was to plan a regular scientific forum. Initially, this group of seven conceived only a Southeast Asian forum but it grew to cover a wider geographic area. This zone has no cohesive name as far as communities of nations are concerned but the group finally decided to use 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 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.



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 enthusiastic response from all corners encouraged the Foundation Council to plans for organisation of the First Asian Fisheries Forum. Further, the constitution of the Asian Fisheries Society was drafted and guidelines for the Forum and Society activities were drawn. In the historic meeting held on 2 May 1984, the constitution of the Society was adopted. The Society then held its first general assembly and elected its councillors and first set of officers. Dr. Chua-Thia Eng was elected as the Foundation Chairman.



Opening Ceremony of the 1st Asian Fisheries Forum

possible to organise the first few crucial meetings of the Society. After two years of meticulous planning and preparations the Society's organised its first major event, the First Asian Fisheries Forum during 26-31 May 1986 in Manila, Philippines. In 1987, the Society was registered as a non-profit, non-stock corporation under Philippine laws. The Asian Fisheries Society, Inc. served as the legal arm of the Society. Since then, the Society did never look back and undertook all necessary tasks to nurture the Society, including securing financial stability, organising the triennial Asian Fisheries Forum, increasing membership and expanding its outreach.

Generous support received from organisations like WorldFish Center, Malaysia; 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)

made it



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



The In a seminar at Los Baños, Philippines, in May 1984. L-R: Drs. Julianano, Neal, Chua, Hirano and Chancellor Rola



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

Objectives of the Society

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.



Fig. 1. Principal Activities of AFS

Our Society Members

Since establishment of Asian Fisheries Society in 1986 as many as 3071 people have joined the Society. Beginning with only 14 charter members, although the Society had nearly 700 members from 42 countries by the end of its second year, the number of active members fluctuated in subsequent years. Events like AFAF stimulated a significant increase in memberships. Promotion through Country Branches has been also helpful in increasing the memberships. The memberships duration indicated by the amount of annual membership fee also varied greatly in different years. While several members did not sustain their memberships, some of them rejoined the Society.

Based on data from 2001 to 2016, acceptance of new members and memberships renewals have exceeded 100 persons only in years 2002, 2012 and 2014 (Fig. 2, Table 1). The AFS members have been consistently dominated by full member category, while enrolment of student members has remained significantly low. The total number of members of the AFS at present (2016) is 283.

Membership Categories of AFS:

- **Full members:** 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:** Organizations which support the objectives of the Society.
- **Student members:** Individuals who are studying relevant subjects at the post-secondary level and have not yet completed their award requirements.

Table 1. Membership Statistics of the Asian Fisheries Society during 2001-2016

Year	Accepted Fulltime Members	Accepted Student Members	Total Acceptance or Renewals	Latest Memberships	Total Members
2001	37	0	37	52	
2002	110	6	116	56	
2003	49	6	55	124	
2004	81	9	90	42	
2005	54	6	60	82	
2006	25	8	33	50	
2007	78	19	97	45	
2008	62	9	71	126	
2009	81	6	87	109	
2010	41	3	44	103	
2011	65	13	78	195	
2012	111	2	113	120	
2013	54	3	57	57	
2014	92	11	103	112	
2015	14	2	16	119	
2016	19	1	20	43	283

- **Honorary Life Membership:** 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:** Persons who support the objectives of the Society.
- **Charter members:** Those (14) who signed the original Society's constitution.

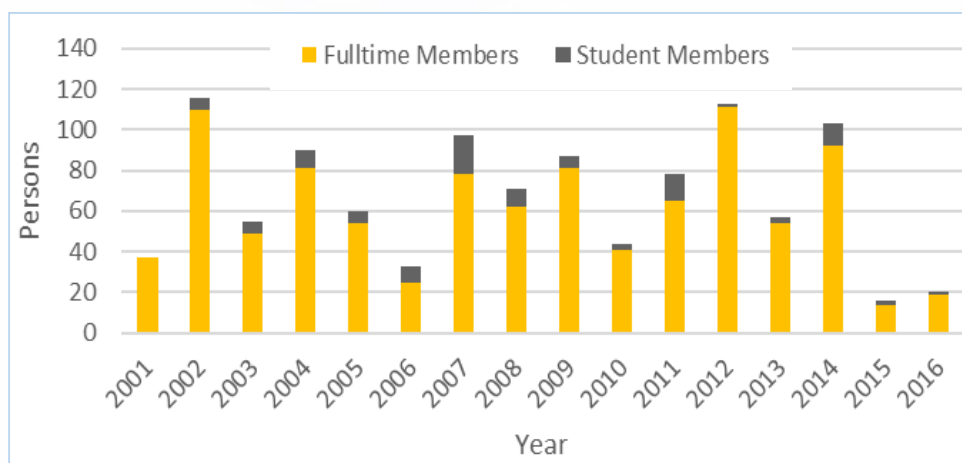


Fig. 2. Annual recruitment and renewal of full members and student members

Honorary Life Members of Our Society

The Society recognized its first two Honorary Life Members in 1986. They were Dr. Shao-Wen Ling, known to be 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 further on 13 more prominent scientists in recognition of their contribution to Asian fisheries science and the AFS.

During the 7th Asian Fisheries Forum in Penang, Malaysia held in 2004, Dr. Meryl Williams was awarded the Honorary Life Member in recognition of her contributions and achievements in fisheries sciences and as the Director General of WorldFish Center.

Dr. Brian Davy and Dr. Chan-Lui Lee were bestowed with the Honorary Life Members awards during the 8AFF in Kochi, India held in 2007 for their services to the Society and to Asian fisheries sciences. 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. During 10IFAF, Dr. Sena S. De Silva and Dr. Mohan J. Modayil were conferred with Honorary Life Members for their outstanding contribution to the Society.

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.

Table 2. Honorary Life Members

1986	:	Dr. Shao-Wen Ling
	:	Dr. Katsuzo Kuronuma
1992	:	Dr. Yasuo Ooshima
	:	Dr. Syed Zahoor Qasim
1995	:	Dr. I-Chiu Liao
1998	:	Dr. Thia-Eng Chua
	:	Dr. T.V.R. Pillay
2001	:	Dr. Edgardo D. Gomez
2004	:	Dr. Meryl J. Williams
2007	:	Dr. Chan-Lui Lee
	:	Dr. Brian Davy
2009	:	Dr. E. Akio Kanazawa
2011	:	Beijing Yu Jing Biotech Co.Ltd., China
2013	:	Dr. Sena S. De Silva
	:	Dr. Mohan J. Modayil



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

Award Winning Members of Our Society

AFS 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, Dr. Modadugu V. Gupta and Dr. M.C. Nandeeshha 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 Joseph Modayil, Dr. Chan Lui Lee, Mr. Michael Bernard New and Prof. Ida Siason were awarded Gold Awards.

During 10AFAF held at Yeosu, Korea in 2013 Gold award was conferred to Dr. Mohamed Shariff for his excellent service as Editor-in-Chief of AFS Journal and improving the standard of the Journal, Dr M. C. Nandeeshha (posthumous) for his leadership to the Indian Branch of AFS and dedication and support to AFS and Poh Sze Choo for his contribution as the Assistant Editor and for his untiring work in editing and improving the standard of the AF Journal and assistance to AFS gender activities.



1. 1998 Asian Fisheries Society Gold Awardees, Dr. Liu Hsi-Chiang (L) and Prof. Akio Kanazawa (R)
2. Dr. Chua Thia-Eng receiving gold medal Award from former presidents Dr. Liu Hsi-Chiang and Prof. Mohamed Shariff
3. AFS presented a Gold Medal award to UPM for their contribution to the Society in November 2008

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 University 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 9AFAF 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. During the CAA3 held at Kuala Lumpur during 17th-19th November, 2011, Malaysian Fisheries Society, Uni-President Vietnam and Department of Fisheries was awarded the Gold Award of AFS. Further, Australian Center for Agriculture Research was awarded with Gold award during 10AFAF held at Yeosu, Korea for its Organisational support to AFS.



Presentation of the AFS Gold Medal Awards at 9AFAF

Linking Fisheries Scientists

The Asian Fisheries and Aquaculture Forum (AFAF)

The Society holds a triennial forum, Asian Fisheries and Aquaculture Forum (AFAF), formerly known as Asian Fisheries Forum (AFF), 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 1st 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.



1st Asian Fisheries Forum

- **The 2nd Asian Fisheries Forum (2AFF)** was held in April 1989 in Tokyo, Japan, which brought together 431 participants from 27 countries.
- **The 3rd Asian Fisheries Forum (3AFF)** was held at Singapore's World Trade Center in October 1992, which 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 4th Asian Fisheries Forum (4AFF)** was held in October 16-20 1995 in Beijing, China with over 600 delegates from 52 countries and territories participated.
- **The 5th Asian Fisheries Forum (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 6th Asian Fisheries Forum (6AFF)** was held on 25-30 November 2001 in Kaohsiung, Taiwan with over 550 participants from 33 countries.
- **The 7th Asian Fisheries Forum (7AFF)**, held in Penang, Malaysia from the 30th November-4th 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 21st century.



2nd Asian Fisheries Forum



3rd Asian Fisheries Forum



4th Asian Fisheries Forum



5th Asian Fisheries Forum



6th Asian Fisheries Forum



7th Asian Fisheries Forum

- **The 8th Asian Fisheries Forum (8AFF)** was held in Kochi, India during 20th-23rd 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.



8th Asian Fisheries Forum

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.

- **The 9th Asian Fisheries and Aquaculture Forum (9AFAF)** was held in the Lingang Campus of SHOU, Shanghai, China from the 20th-23rd April, 2011. The forum hosted two major symposia - the 4th International Symposium on Stock Enhancement and Sea Ranching (4th ISSESR) and the 9th International Symposium on Tilapia Aquaculture (9th ISTA). Other major meetings held in conjunction with the 9AFAF were the 3rd Special Global Symposium on Gender in Aquaculture and Fisheries (GAF3), a special session on "Strengthening European-Asian Partnership" and the FAO funded session on "Aquatic Genetic Resources for Sustainable Fisheries and Aquaculture". The AquaFish CRSP, USA also joined the 9AFAF by holding its Board and annual project staff meeting during the 9AFAF; many project staff attended the 9AFAF. The 9AFAF is one of the most successful forums held by the AFS. The forum was attended by more than 750 participants from over 45 countries. Its Trade Exhibition attracted 34 exhibition booths, 14 of them coming from overseas.



9th Asian Fisheries and Aquaculture Forum

- **The 10th Asian Fisheries and Aquaculture Forum (10AFAF)** was held at the Ocean Resort, Yeosu, Korea from 30th April to 4th May 2013. 10AFAF with the theme “Blue Waters and Green Fisheries” attracted some 680 participants including 230 overseas participants. A total of 169 oral presentations and 155 posters from 27 countries were presented during the forum. Several potential participants could not attend the Forum due to the disturbing political situation at that time between the North and South Korea.

There were 11 sessions with 2 special sessions during 10AFAF, details of which are as follows:

- Session 1- Aquatic animal nutrition, feed and feeding;
- Session 2- Aquaculture production system
- Session 3- Fisheries processing
- Session 4- Fisheries and policy, social science, economics and livelihood
- Session 5- Fish for human nutrition and health
- Session 6- Environment impacts, pollution and ecotoxicology
- Session 7- Biodiversity, genetics, biotechnology and breeding, conservation
- Session 8- Fishing gear and technology
- Session 9- Fisheries assessment and aquatic resources management, ecology
- Session 10- Aquatic animal health and management
- Session 11- Shrimp and other crustacean aquaculture

Three keynote lecturers were presented during the Plenary Session held immediately after the Opening Ceremony:

- Dr Chan-Lui Lee (Past President and Honorary Life Member of AFS) and Dr Matthias Halwart (Senior Aquaculture Officer, FAO): “Asian Fisheries Society - The Way Forward”.
- Dr Sang-Gyu Sohn (Vice President, NFRDI, Korea): “Current Status and Future Prospects of Fisheries in Korea”.
- Prof Glen Hurry (Western and Central Pacific Fisheries Commission): “Sustainable Fisheries and the Western and Central Pacific Fisheries Commission”.

Two Special Sessions viz., **4th Global Symposium on Gender in Aquaculture and Fisheries (GAF4)** and **4th International Symposium on Cage Aquaculture in Asia (CAA4)** were also conducted along with the 10AFAF. Further, in conjunction with the Forum, a trade exhibition was also held, possessing 24 booths from 19 companies. The exhibition saw various Companies and fisheries societies displaying the latest information in equipment and technology in the field of aquaculture and fisheries.



10th Asian Fisheries and Aquaculture Forum



10th Asian Fisheries and Aquaculture Forum

International Symposium on Cage Aquaculture in Asia (CAA)

The International Symposium on Cage Aquaculture in Asia (CAA) was the first specialized symposium series organised by the AFS. It was Dr. I.C. Liao, a past President of AFS, who initiated the event.

- **The 1st International Symposium on Cage Aquaculture in Asia (CAA1)** was organised during 19th -22nd November, 1999 in Tunkang, Taiwan. The CAA1-cum-Trade Exhibition was attended by some 200 participants from 15 countries in the Asia-Pacific region including some from EU and North America. It provided a suitable platform for the scientists, producers and commercial stakeholders to meet, discuss and evaluate the potential and future of cage aquaculture. The interests shown and the successes of this first meeting lead to a decision by the 8th Asian Fisheries Society Council to make the CAA a permanent symposium series of the Society.



1st International Symposium on Cage Aquaculture in Asia

- **The 2nd International Symposium on Cage Aquaculture in Asia (CAA2)** was held in Zhejiang University, Hangzhou, China during 3rd-8th July, 2006. The symposium was organized by AFS in association with Zhejiang University (ZJU) and the China Fisheries Society as co-sponsors. CAA2 was attended by some 350 scientists and other major international stakeholders. During the 3-day meeting nine major sessions covering all aspects of cage culture in freshwater, brackish and ocean cages were discussed. In addition, there were two special lectures and five keynote addresses. The highlight of the symposium was the special session on the “Cage Culture - Regional Reviews and a Global Overview” which was sponsored by the FAO. The FAO review provides the first up to date review on the current status of the cage culture practices in the world-from traditional freshwater cages to large-scale commercial ocean cage farming systems.



2nd International Symposium on Cage Aquaculture in Asia

- **The 3rd International Symposium on Cage Aquaculture in Asia (CAA3)** with the theme “Securing the Future” was held in Kuala Lumpur, Malaysia during 17th-19th November, 2011 in conjunction with the Malaysian International Seafood Exposition (MISE) exposition. The symposium was organised by the Asian Fisheries Society (AFS) and Malaysian Fisheries Society (MFS) in partnership with Universiti Putra Malaysia (UPM) and the Fisheries Development Authority of Malaysia. The emphasis of the symposium is to provide updated and recent information in cage aquaculture and encourages networking between researchers, practitioners, law enforcement agencies and all other stakeholders. The symposium runs six concurrent sessions. CAA3 was attended by some 326 participants from 24 countries and as many as 56 paper and 27 posters were presented during the Symposium. Majority of the participants were from industries in Malaysia.



3rd International Symposium on Cage Aquaculture in Asia

- **The 4th International Symposium on Cage Aquaculture in Asia (CAA4)** was organised as special sessions along with of the forum 10th Asian Fisheries and Aquaculture Forum (10AFAF) at the Ocean Resort, Yeosu, Korea during 30th April-4th May, 2013. The presentations during CAA4 were made under two Special sessions, viz., 1) Marine and freshwater cage culture, seed production; and 2) Disease prevention and health management, pollution, ecotoxicology.



4th International Symposium on Cage Aquaculture in Asia

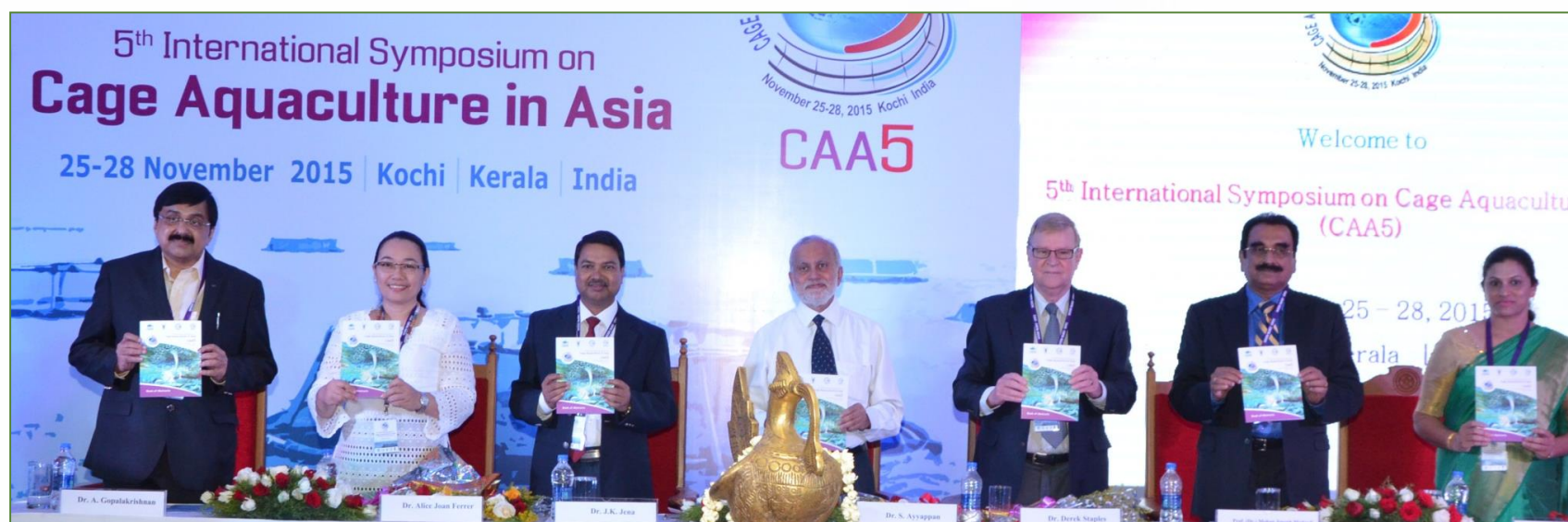
- **The 5th International Symposium on Cage Aquaculture in Asia (CAA5)** was organised by the ICAR-Central Marine Fisheries Research Institute (CMFRI), India; Asian Fisheries Society (AFS), Malaysia; and the Asian Fisheries Society Indian Branch (AFSIB) at Kochi, India during 25-28 November, 2015. It was inaugurated by Dr. S. Ayyappan, Secretary, Department of Agricultural Research and Education and Director General, Indian Council of Agricultural Research, India with other dignitaries present on the dais were Dr. J.K. Jena, Chairman, AFSIB and Director, NBFGR, India who presided over the function; Dr. Mohan Joseph Modayil, Former Member, ASRB, India and Member CAG, AFS; Dr. Derek Staples, Immediate Past President, AFS; Dr. Alice Joan Ferrer, Vice-President, AFS; and Dr. A. Gopalakrishnan, Convener, CAA5 and Director, CMFRI, India.



Inauguration of the 5th International Symposium on Cage Aquaculture in Asia



L-R: Dr. S. Ayyappan
Dr. J.K. Jena
Dr. Derek Staples
Dr. Alice J. Ferrer
Dr. M.J. Modayil
Dr. A. Gopalakrishnan



Release of Souvenir of the 5th International Symposium on Cage Aquaculture in Asia in the Inaugural Function

The Scientific Session included a Symposium Theme Lecture; five Key-Note addresses and 17 Lead Talks in different sessions; Altogether 117 papers pertaining to recent advances and research activities in the field of cage aquaculture were presented during the meet, including 42 oral and 75 poster presentations in 6 different sessions. The response to the symposium was overwhelming with over 200 submissions received, out of which 141 selected abstracts were published in the form of Book of Abstracts. 252 delegates participated in CAA5, including 27 overseas delegates from 10 countries viz., Norway, UK, Australia, China, Indonesia, Korea, Vietnam, Philippines and Thailand, besides India.



Presentation by the Invited Speakers during CAA5 (L-R): Dr. K. Lunde (Norway), Dr. B. Hjeltne (Norway), Dr. M. Dalen (Norway), Dr. K. Sugama

The Symposium Theme lecture on “Greening the Asian Cage Aquaculture Construct” was delivered by Prof. Mohan Joseph Modayil (India). The keynote address were delivered by Mr. Trond Severinsen (Norway) on Marine Production Systems, Dr. V.V. Sugunan (India) on Inland Production Systems, Dr. G. Gopakumar (India) on Breeding and Seed Production, Dr. P. E. Vijay Anand (India) on Nutrition and Feed, Dr. Brit Hjeltnes (Norway) on Health and Environment Management, and Dr. Marius Dalen (Norway) on Economics, Livelihood and Policies. All the Sessions had lead talks by eminent speakers and scientists from different organisations in India and overseas, which included Dr. Niels Svennevig (Vietnam), Dr. Clive Jones (Australia), Dr. K.G. Padmakumar (India), Dr. A.K. Das (India), Mr. Uttam Kumar Subuddhi (India), Dr. Asmund Bjordal (Norway), Dr. Ketut Sugama (Indonesia), Dr. Kristoffer Lunde (Norway), Dr. Trevor Platt (UK) Dr. K.K. Vijayan, (India), Dr. Indrani Karunasagar (India), Dr. Murwantoko (Indonesia), Dr. P. Ravichandran (India), Sri. Suresh Kumar (India) and Shri. Jacob Joseph (India). The participating scientists and students from different organisations in India and abroad presented their research findings as oral and poster presentation.

An Exhibition and Trade show was also organised as a parallel event which included 22 stalls from State and Central Government Agencies, ICAR institutes, Fisheries Universities, Entrepreneurs, Banks and NGOs from India, which was inaugurated by Dr. Derek Staples, Immediate Past President, AFS (Malaysia).



L-R: 1) Inaugurated of Exhibition during CAA5; 2) View of Exhibition Stalls; 3) Evaluation of Posters by the Judges

The Plenary and Valedictory Session of CAA5 was held on 27th November, 2015. Dr. B. Shamasunder, Secretary AFSIB welcomed the gathering. Dr. S.D. Tripathi, Dr. K.K. Philipose, Coordinator, All India Network Project (Mariculture), Dr. Imelda Joseph, Head in Charge, Mariculture Division, CMFRI and Dr. Derek Staples, expressed their views about the Symposium and appreciated the success of the symposium. Dr. J.K. Jena, President, AFSIB presented the concluding remarks and the recommendations of the symposium. Prof. (Dr.)

Mohan Joseph Modayil announced the awards for the Best three papers and posters. Dr. A. Gopalakrishnan, Director, CMFRI and Convener, CAA5, proposed the formal vote of thanks. The Key recommendations drawn during the meet were follows:

Recommendations of CAA5

- Considering the emerging importance of cage aquaculture on the economy and life of the Asian region, the CAA5 recommends a precautionary development agenda for environment and resource friendly, sustainable and inclusive way forward for Asian countries by sharing information and experiences for the benefit of all.
- The CAA5 recommends collective efforts between Asian countries to foster a green approach by following best management practices for providing safe fish.
- The CAA5 recommends development of breeding and grow-out technologies of indigenous candidate species, specific to each country, with emphasis on diversification in both inland and marine cage aquaculture.
- The CAA5 recommends greater focused research attention on feed development, with emphasis on reduced use of fish meal and fish oil, and feed management approach for prospective candidate species for cage aquaculture in the Asian region.
- The CAA5 recommends development and implementation of country-specific disease surveillance and management plans for addressing existing diseases and preventing future outbreaks.
- The CAA5 recommends a greater thrust on R&D on multispecies farming; involving fish, molluscs, seaweeds and scavengers for utilization of multitrophic food niches for preventing environmental deterioration.
- The CAA5 recommends development and adoption of National policies for each country, taking into consideration harmonized approaches delineating maximum biomass production for sites in inland and marine water bodies, so as to prevent adverse impacts on the aquatic environment of neighbouring countries.
- The CAA5 recommends mapping of sites for cage aquaculture, taking into consideration local area development plans, environmental safeguards and user rights; further, notifying and demarcating culture sites must receive attention in each country so as to promote harmonious development. 5th International Symposium on Cage Aquaculture in Asia
- The CAA5 recommends facilitation of private-public participation in commercial cage farming to attract increased investment and entrepreneurial development.
- The CAA5 recommends sharing of knowledge and skill for development of cage aquaculture through collaborative programmes in research, training and human resource development.



Glimpses of the 5th International Symposium on Cage Aquaculture in Asia held at Kochi, India

International Symposium on Aquaculture and Fisheries Education (ISAFE)

The International Symposium on Aquaculture and Fisheries Education (ISAFE) focuses on the status and development of aquaculture and fisheries education in the Asia-Pacific region. During the 8th Council term, Prof Yangyi, the Chair of the Conference and Workshop Committee proposed that the Society should look into the needs for better education and training in aquaculture and fisheries in the Asia-Pacific region. After a series of lengthy discussions, an MOU was signed with the Asian Institute of Technology (AIT) to organise a conference/workshop, with AFS and the Shanghai Ocean University (SHOU) as co-sponsors.

1st International Symposium on Aquaculture and Fisheries Education (ISAFE1) was held at the Asian Institute of Technology (AIT), Bangkok, Thailand from 27th-30th November, 2009. The symposium aimed at bringing together a group of distinguished speakers from the Asia-Pacific (AP) region and other parts of the world to discuss issues pertaining to aquaculture and fisheries education and how education can support the industry, especially in the Asia-Pacific.

The ISAFE1 with the theme *“The Future of Aquaculture and Fisheries Education”* had the following objectives:

- Exchange information on the status and recent advances in aquaculture and fisheries education in Asia and other parts of the world;
- Share experiences among educators, policy makers and industry on emerging needs for aquaculture and fisheries education; and
- Promote collaboration among the educators, scientists and institutions involved in aquaculture and fisheries education, research and development.

The discussions were held under different themes as given hereunder, which was also followed by an Open Panel Discussion Session at the end of the symposium.

- Current status of aquaculture and fisheries education
- Need-based curriculum development
- Innovative teaching and learning methods
- Distant/flexible education
- Academic and industry partnerships
- Support for education and research for young fisheries scientists
- Future direction and strategy



The Symposium was attended by 103 participants from around the world. The meeting started with Welcome Addresses by AIT President Prof. Said Irandoust, President of SHOU Prof. Yingjie Pan, and AFS President, Prof. Ida Siasson, followed by five discussion sessions. Each of the first five sessions was introduced by Keynote papers presented by Drs Peter Edwards, Meryl Williams, David Little, Dilip Kumar and Sena de Silva.

Session 1 had 15 presentations on the Current Status of Fisheries and Aquaculture Education in several countries including Japan, Philippines, Mainland China, Thailand, Vietnam, India, Taiwan, Bangladesh, Nepal, Sri Lanka and Malaysia.

Session 2 had 9 papers on Curriculum Development and Training, and tackled curricular approaches to internship, management training, experiential learning and aquaponics.

Session 3 had 6 papers on Innovative Teaching and Learning, several of which reported on new approaches and productive experiences in using internet/websites in delivering the curriculum such as in China and Europe.

Session 4 had 7 papers on Partnerships and Collaboration highlighting the partnership aspects of education programs which can facilitate student and faculty exchange among partner institutions.

Session 5 had 10 papers that dealt with future strategy, addressing the prospects and initiatives within fisheries and aquaculture education including concerns on the inclusion of multi-disciplinarily, gender mainstreaming, and accreditation for quality.

The **final session** was an Open Discussion, assisted by a Panel, focusing on issues that were brought out by the various papers presented during the symposium. Interest in organizing an Education Consortium for Fisheries and Aquaculture Education was strongly expressed, which can take a first step by reviewing past experience of AFS and NACA on such an initiative.



Technical Session of the 1st International Symposium on Aquaculture and Fisheries Education



A Few Glimpses of the 1st International Symposium on Aquaculture and Fisheries Education held at AIT, Bangkok, Thailand

2nd International Symposium on Aquaculture and Fisheries Education (ISAFE2) ISAFE2 was organized by Asian Fisheries Society (AFS) and Shanghai Ocean University (SHOU) at SHOU campus at Lingang New City in Shanghai during 22nd-24th April, 2015. Over 90 participants from 15 countries attended the Symposium. The Book of Abstracts published on the occasion included 81 papers. Three keynote speeches were delivered by eminent educationist/experts on different themes, viz., 1) 'Globalizing Fisheries and International linkage in its Education' by Prof. Tatsuro Matsuoka, Kagoshima University, Japan, 2) 'Experiences from AQUA-TNET (EU Thematic Network for Lifelong Learning in Aquaculture, Fisheries & Aquatic Resources Management)' by Prof. John Bostock, University of Sterling, UK, and 3) 'Development Trends of Chinese Fisheries Education in Light of the Development of the Industry' by Prof. Shuolin Huang, Shanghai Ocean University, China. Eight country reports were also presented by the experts covering current status of aquaculture and fisheries education in Asian and European countries.

Three special sessions were also convened during ISAFE2, which included Fisheries and Aquaculture Department of FAO; Post-graduate Programme on Tropical Fisheries; and International Linkages and Tamil Nadu Fisheries University, India. These sessions allowed in depth discussion on the subject and having understanding on status and trend of non-formal education, south-south cooperation, linkage in fisheries education and so on. Dr. Matthias Halwart, Prof. Tatsuro Matsuoka and Dr. Baskaran Manimaran were the Chairs for the three respective Sessions.



Inaugural Session of the 2nd International Symposium on Aquaculture and Fisheries Education held at SHOU, Shanghai, China

The symposium provided opportunity to once again bring educators, students and training agencies from all across the aquaculture and fisheries teaching institutions, industries and education regulatory agencies together, and had a great discussion and achievement in many critical issues, such as curriculum development, teaching methods innovation, partnerships in training between Stakeholders and academic sectors and future direction and strategy on aquaculture and fisheries education.

As many as 77 presentations were made in 6 regular sessions and in 3 special sessions as follows:

Sessions

- Current status of Aquaculture & Fisheries education-Country and region reports; Chair: Dr. Alice J. Ferrer
- Recent curricula development and implementations; Chair: Prof. Aziz Arshad
- Partnerships in training between Stakeholders-Academic, Training and Industry Sectors; Chair: Dr. J. K. Jena
- Innovative Teaching and Learning Methods; Chair: Dr Sirawut Klinbunga
- Need-based Curriculum Development; Chair: Prof. Chen-Huei Huang
- Future Direction and Strategy; Chair: Dr. Alice J. Ferrer

Special Sessions

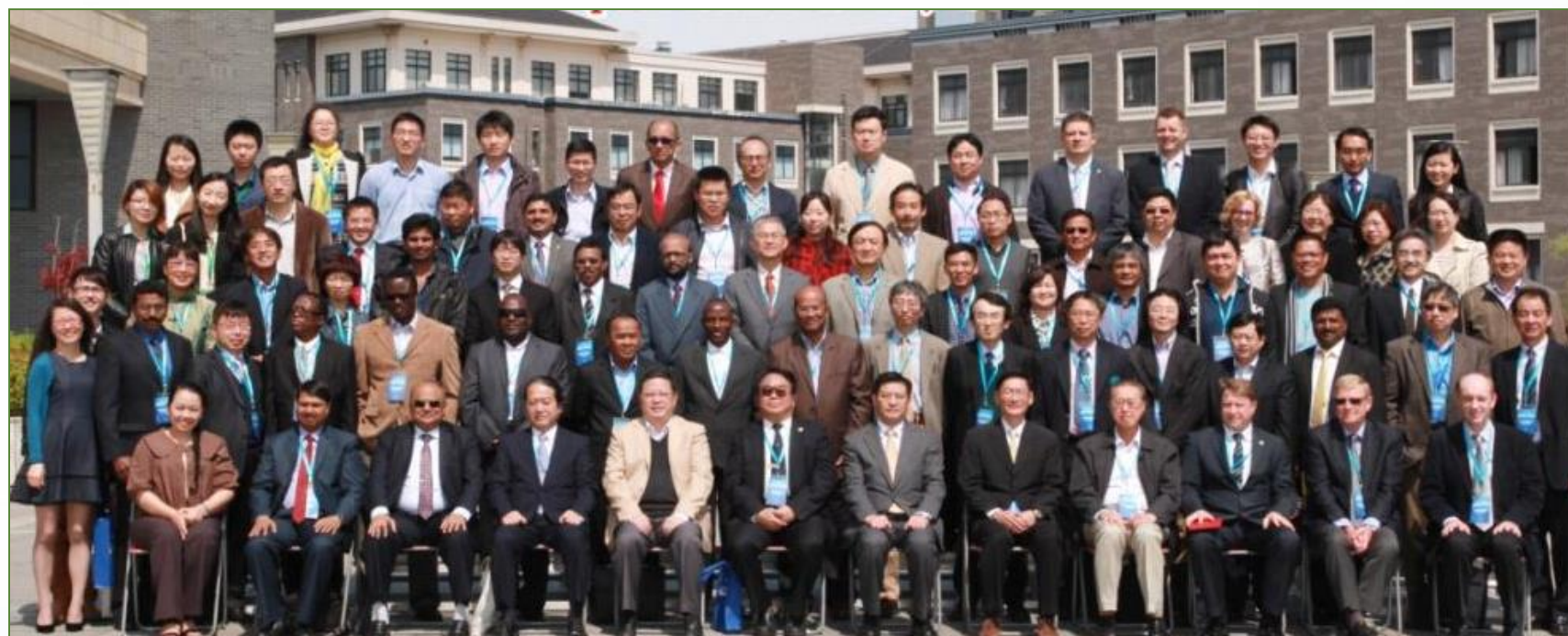
- FAO Special Session on non-formal education and its implementation in South-South Cooperation-Chair: Dr. Matthias Halwart
- Fisheries Higher Education and International Linkages (Postgraduate Programme on Tropical Fisheries and International Linkages) - Chair: Prof. Tatsuro Matsuoka
- Tamil Nadu Fisheries University - Chair: Dr. Baskaran Manimaran



Glimpses of the Technical Sessions of the ISAFE2 held at SHOU, Shanghai, China



Concluding Session of the 2nd International Symposium on Aquaculture and Fisheries Education held at SHOU, Shanghai, China



Participants of the 2nd International Symposium on Aquaculture and Fisheries Education held at SHOU, Shanghai, China

Gender in Aquaculture and Fisheries (GAF)

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.

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 4AFF in Beijing during 1995, sponsored by PADEK, a Cambodian non-government aid agency and two earlier PADEK-led women in fisheries 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 'Women in Asian 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).

1st Global Symposium on Gender and Fisheries

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



*Symposium on Women in Asian Fisheries at
held at Chiangmai, Thailand during 1998*

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'.

2nd Global Symposium on Gender and Fisheries

At the 8AFF Kochi, India, the 2nd Global Symposium on Gender and Fisheries held in 2007 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.



Participants of the 2nd Global Symposium on Gender and Fisheries, India

3rd Global Symposium on Gender in Aquaculture and Fisheries

3rd Global Symposium on Gender in Aquaculture and Fisheries, 21-23 April, 2011. 9 Asian Fisheries and Aquaculture Forum, Shanghai Ocean University, China. The 3rd Global Symposium on Gender in Aquaculture and Fisheries (GAF3) of the Asian Fisheries Society shone a light on the gender gap in the fish sector. This is the Society's fifth women/gender Symposium, attracted a record number of papers and stimulated lively discussions. It was followed by a FAO Special Workshop on Future Directions for Gender in Aquaculture and Fisheries Action, Research and Development which will be reported on separately. Common themes were revealed: 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 in natural resource management, although mainstream exceptions exist; the conundrum of women's access to microfinance yet lack of progress in building assets; and the struggles and successes of achieving gender equality in institutions. Messages of hope also emerged, founded on intrinsic community and personal resilience strategies and innovations such as training and inclusive governance.



Participants of the 3rd Global Symposium on Gender in Aquaculture and Fisheries, Shanghai

4th Global Symposium on Gender in Aquaculture and Fisheries

The 4th Global Symposium on Gender in Aquaculture and Fisheries (GAF4) will be held in 2013 as part of 10AFAF 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.

In all, there were 28 oral presentations, one poster and four mini-workshops/panels. The AquaFish-CRSP Best Paper prize was won by Kumi Soejima (Japan) for her paper Changes in the Roles of Women and Elderly Persons within Oyster Aquaculture in Japan. The AquaFish-CRSP Best Student Paper prize was won by Piyashi Deb Roy (India) for her paper (with R. Jayaraman, M. Krishnan and K. Criddle) on Importance of Mangrove Conservation and Valuation to Women – A Case Study of Pichavaram Mangroves in India.

A special part of GAF4 was the Special Session in Honour of Dr M.C. Nandeesha, sponsored by the AquaFish-CRSP and dedicated to the life and work of Dr Nandeesha who established the AFS gender in aquaculture and fisheries work.

GAF4 was supported by the Asian Fisheries Society, grants from the AquaFish Cooperative Research Support Program of the USA (AquaFish CRSP), the Norwegian Agency for International Development (Norad), the Indian Council for Agricultural Research, the Network for Aquaculture Centres in Asia-Pacific (NACA), the Korean local organising committee for the 10th Asian Fisheries and Aquaculture Forum, and the home agencies of the many presenters and participants.



Participants of the 4th Global Symposium on Gender in Aquaculture and Fisheries held at Yeosu, Korea

5th Global Symposium on Gender in Aquaculture and Fisheries

The '5th Global Symposium on Gender in Aquaculture and Fisheries (GAF5)' was organized by the Asian Fisheries Society (AFS), Kuala Lumpur in collaboration with AFSIB and NBFGR, Lucknow during November, 13-15, 2014, which was inaugurated by Dr. Leena Nair, Chairman, Marine Product Export Development Authority (MPEDA), India as Chief Guest on 13th November 2014. Dr. B. Meenakumari, Deputy Director General (Fisheries Science), ICAR, India presided over the function. Dr. Meryl J. Williams, Former Director General, WorldFish and Director, Asia Pacific-Fish Watch, and Dr. Chersak Virapat, DG, NACA, Bangkok and Dr J.K. Jena, Convener, 10ifaf and Director, NBFGR, India were the Guests of Honour on the occasion. This is the first time that a GAF event was held in conjunction with the Indian Fisheries Forum. Dr. Meryl J. Williams and Dr. B. Meenakumari, were the Co-Chairs of GAF5 and Dr. Nikita Gopal, Principal Scientist, CIFT was the Program Chair.

The three day Symposium was filled with around 50 stimulating contributions of several kinds which included 20 oral presentations, including 2 Plenary Lectures and 8 papers in the Focus India session; 3 special workshops, including one with 7 oral presentations; 6 films and videos; 1 panel discussion comprised of 3 speakers and audience discussion; 9 posters and a special GAF Network Meeting.



Glimpses of the 5th Global Symposium on Gender in Aquaculture and Fisheries held at Lucknow, India

The forum witnessed the presence of many new researchers and development experts who work on gender within fisheries and aquaculture institutions and development agencies, especially non-government Organisations (NGOs). Delegates from different parts of the world including India, Malaysia, Bangladesh, Indonesia, Lao PDR, Thailand, Vietnam, Cambodia, Japan, Philippines, Mozambique, Australia, Spain, France and USA participated in GAF5. GAF5 was supported by the Asian Fisheries Society, Asian Fisheries Society Indian Branch, Indian Council of Agricultural Research, Network of Aquaculture Centres in Asia-Pacific, United States Agency for International Development MARKET project (USAID-MARKET), NORAD (Norwegian Agency for Development), Marine Exports Development Authority (India), National Fisheries Development Board (India), National Bureau of Fish Genetic Resources, Aquaculture without Frontiers and the presenters and their host organisations.

Gender in Aquaculture and Fisheries Media Outreach

Copies of and links to the reports from all Asian Fisheries Society Symposia and the 1990 Indian workshop can be found at:

<http://genderaquafish.org/resources-3/asian-fisheries-societygenderwomen-and-fisheries-resources/>.

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

<http://genderaquafish.org/>

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

@Genderaquafish (Twitter)

Genderaquafish Google Group genderaquafish@gmail.com



Participants of the 5th Global Symposium on Gender in Aquaculture and Fisheries held at Lucknow, India

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.

Table 3. Fellowship Grant Awardees

Mohd. Akand Awal, Bangladesh	Subhash C. Chakraborty, Bangladesh
Wang Hui, China	Armando Fermin, Philippines
Soosama Kavumpurath, India	Zhang Si-Ming, China
Upali S. Amarasinghe, Sri Lanka	Yusni Ikhwan Siregar, Indonesia
Yan Xinhong, China	Nicholas Khong Mun Hoe, Malaysia
Arsenia Cagauan, Philippines	Nur Leena Wong Wai Sin, Malaysia
Kang Chunxiao, China	Sheela Gnanapackiam, India
Mohd Ferdous Alam, Bangladesh	Sekmar Meharajan, India
Ma. B. De Venecia, Philippines	Tanza Erlambang, Indonesia
Liu Jiashou, China	Wu Hui, China
Nguyen Anh Tuan, Vietnam	Lin Xin-Wei, China
Toata Molea Solomon, Islands	Zhang Ying-Pei, China
Hamonangan Nainggolan, Indonesia	Prapaporn Utarabhand, Thailand
Eko Basuki, Indonesia	Kalkuli M. Shankar, India
P.T. Usha, India	Zhu Songming, China
Rosalind G. Mulloorpeedikayil, India	Patcharee Teerasuntonwat, Thailand
Zhang Weimin, China	Ju Bensheng, China
Arfah Harton, Indonesia	Jamilah Binti Bakar, Malaysia
Md. Kamal, Bangladesh	Wang Han-Ping, China
H. Shivananda Murthy, India	Harjeet Singh Sehgal, India
Li Fu-Hua, China	Chadag Mohan, India
Ramesh Ramachandran, India	Fu Hongtuo, China



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 Tonauthai and Efren Flores



Approval to provide scholarships from the Kanazawa Fund finalized during 30th Council meeting at the 7th IFF, Bangalore, India, Nov. 2005. Sitting L-R: Drs. Fatimah, Lee, Hashim and Siason; Standing L-R: Drs. Yangyi, Zhou, Shiao, 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), 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. In April, 2013 during 10th AFAF, Ms Foo Su Chem was awarded the Kanazawaa Scholarship for her project entitled Stability and quality enhancement of Microbial carotenoid rich fractions. The selection process for two new scholars has been completed, who would be awarded during the 11AFAF in August 2016 in Bangkok.

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 Councillors 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/Seminars/Symposium

The Society and its Branches also conduct regular workshops/Seminars/Symposium 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.
- **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.
- **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.
- **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.
- **Global Symposium on Aquatic Resources for Eradicating Hunger and Malnutrition; Opportunities and Challenges** during December 4-6, 2012 at Mangalore, India.
- **10th Indian Fisheries and Aquaculture Forum (10ifaf)** was organized at Lucknow, India under the aegis of AFSIB during November 2014 with the theme "Towards Responsible Aquaculture and Sustainable Fisheries", in which over 700 delegates participated.
- **International Workshop on Aquatic Animal Disease Surveillance (IWAADS)** organised by NBFGR, Lucknow, India in collaboration with the AFSIB on 14th November 2014 highlighted the importance of disease surveillance in the context of increased intensification and transboundary movement of aquatic animals.
- **5th International Symposium on Cage Aquaculture in Asia (CAA5)**, at Kochi, India during November, 2015.

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) 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



*Prof. Mohamed Shariff
Editor-in-Chief*



*Ms. Choo Poh Sze
Assistant Editor*

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 Agreement on the use of UPM's ScholarOne for processing the papers, suggested by the Chief Editor, has been signed. The use of ScholarOne aspected to improve the Journal's standing internationally. All the four Issues of the Journal published in a calendar year are being published on time, with Volumes 26 published in 2013, 27 in 2014 and 28 in 2015 possessed 21, 22, 17 papers respectively. The two volume published in 2016 contain 9 papers and a book review.

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>.



*Dr M.V. Gupta
Editor, e-Newsletter*

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 update 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.

Asian Fisheries Directory

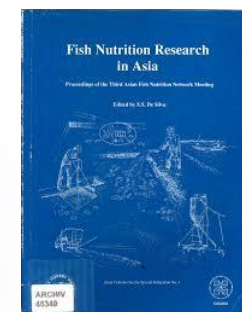
F. Brian Davy (Editor). 1989

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.

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.

Diseases in Asian Aquaculture I: Proceedings of the First Symposium on Diseases in Asian Aquaculture

M. Shariff, R.P. Subasinghe and J.R. Arthur (Editors). 1992

The Fish Health Section, Asian Fisheries Society, Manila, Philippines published the proceedings of the First Symposium on Diseases in Asian Aquaculture held in Bali, Indonesia in 1990, which contains 55 papers presenting original research or reviews of areas of fish health important to the Asia-Pacific Region.

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.

Diseases in Asian Aquaculture II: Proceedings of the Second Symposium on Diseases in Asian Aquaculture

M. Shariff, J.R. Arthur and R.P. Subasinghe (editors). 1995

The Fish Health Section, Asian Fisheries Society, Manila, Philippines published the proceedings of the Second Symposium on Diseases in Asian Aquaculture held in Phuket, Thailand in 1993, which contain 51 peer-reviewed articles.

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.

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.

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

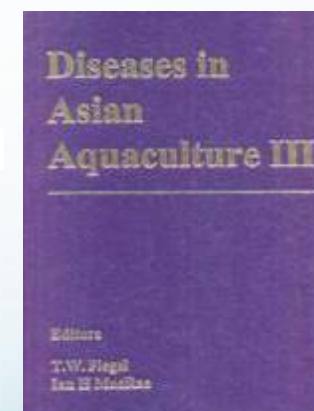
F. Takashima, T. Takeuchi, T. Arimoto and C. Itosu (Editors). 1997

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

Diseases in Asian Aquaculture III: Proceedings of the Third Symposium on Diseases in Asian Aquaculture

T.W. Flegel and J.H. MacRae (Editors). 1997

The Fish Health Section, Asian Fisheries Society, Manila, Philippines published the proceedings of the Third Symposium on Diseases in Asian Aquaculture held in Bangkok, Thailand in 1996, which contains 49 peer reviewed original research and review papers.



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.

Diseases in Asian Aquaculture IV: Proceedings of the Fourth Symposium on Diseases in Asian Aquaculture

C.R. Lavilla-Pitogo and E.R. Cruz-Lacierda (Editors). 2002

The Fish Health Section, Asian Fisheries Society, Manila, Philippines published the proceedings of the Fourth Symposium on Diseases in Asian Aquaculture held in Cebu City, Philippines in 1999, which contains 43 peer reviewed original research and review papers.

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.

Diseases in Asian Aquaculture V: Proceedings of the Fifth Symposium on Diseases in Asian Aquaculture

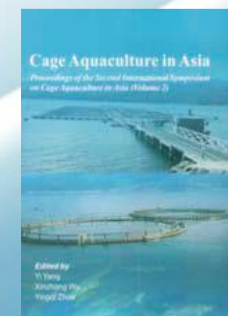
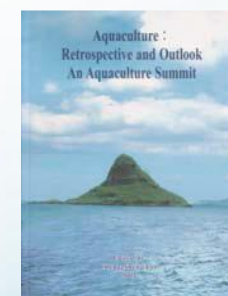
Peter J. Walker, Robert G. Lester and Melba G. Bondad-Reantaso (Editors). 2005

The Fish Health Section, Asian Fisheries Society, Manila, Philippines published the proceedings of the Fifth Symposium on Diseases in Asian Aquaculture held in Queensland, Australia in 2002 published the proceedings which contains 53 original research and review papers.

Cage Aquaculture in Asia: Proc. of the Second International Symposium on Cage Aquaculture in Asia (Vol. 1 & Vol. 2)

Yi Yang, Xinzhong Wu and 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 and Eduardo M. Leaño (Editors). 2007

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

Diseases in Asian Aquaculture VI: Proceeding of the Sixth Symposium on Diseases in Asian Aquaculture

Melba G. Bondad-Reantaso, C.V. Mohan, Margaret Crumlish and Rohana P. Subasinghe (Editors). 2008

The Fish Health Section, Asian Fisheries Society, Manila, Philippines published the proceedings of the Sixth Symposium on Diseases in Asian Aquaculture was held in Colombo, Sri Lanka in 2005, which contains 36 original research and review papers.

The Aquaculture of Groupers

I. Chiu Liao and Eduardo M. Leaño (Editors). August 2008

An up-to-date treatise on culturing groupers.

Milkfish Aquaculture in Asia

I Chiu Liao and Eduardo M. Leaño (Editors). March 2010

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

Integrated Technologies for Advanced Shrimp Production

Special Issue Publication Vol 23(4). December 2010

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

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

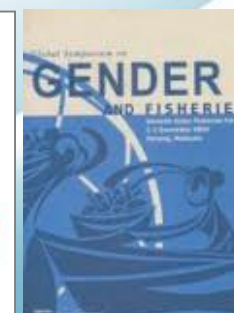
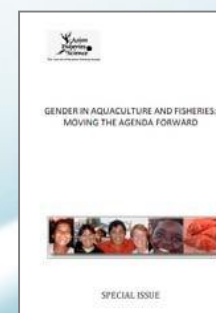
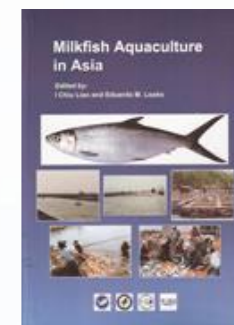
M. Bondad-Reantaso, J. Brian Jones, F. Corsin and T. Aoki. November 2011

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.

Gender in Aquaculture and Fisheries: Moving the Agenda Forward

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

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



Gender in Aquaculture and Fisheries: Navigating Change

Nikita Gopal, Meryl J. Williams, Marilyn Porter, Kyoko Kusakabe and Poh Sze Choo (Editors). 2014.

The papers presented in the 4th Global Symposium on Gender in Aquaculture and Fisheries was published online and also hard copy in November, 2014, released during the Inaugural Function of the 10th Indian Fisheries and Aquaculture Forum held at Lucknow, India.

Progress of Shrimp and Prawn Aquaculture in the World

I. Chiu Liao, Nai-Hsien Chao and Eduardo M. Leaño (Editors). 2016

Published jointly by National Taiwan Ocean University, Fisheries Society of Taiwan, Asian Fisheries Society and World Aquaculture Society.

Forum Proceedings

The First Asian Fisheries Forum

J.L. Maclean, L.B. Dizon and L.V. Hosillos (Editors). 1986

The 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

The 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

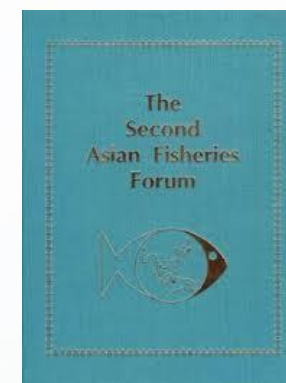
L.M. Chou, A.D. Munro, T.J. Lam, T.W. Chen, L.K.K. Cheong, J.K. Ding, K.K. Hooi, H.W. Khoo, V.P.E. Phang, K.F. Shim and C.H. Tan (Editors). 1994

The proceedings of the 3rd Asian Fisheries Forum 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

The proceedings of the 4th Asian Fisheries Forum 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.

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/

Similarly, the AFS-IB and AFS-TB also run many successful forums. More information are available on the AFS website: 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.



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 Yana Yi

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.



Former AFS Vice-President, Mr. Darryl Grey, representing the Society at the 2nd World Fisheries Congress



Dr. Mohammed Shariff, Chairman of the Malaysian Fisheries Society and Dr. Chua, affirm the partnership between the two societies



The 3rd World Fisheries Congress (October 2000, Beijing China). Dr. Chua Thia-Eng represented the Society in this Meeting

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 2016, the 8th 9th, 10 and the 11th 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.



The Councilors Attending the 7th Indian Fisheries Forum and 30th Council Meeting 2005



36th Council Meeting held in AFS Secretariat, UPM, Malaysia 2009



38th Council Meeting held in Seoul, Korea in June 2010

The Taiwan Branch (AFS-TB)

The Taiwan branch (AFS-TB) is the Society's first branch. Founded in September 1985, at the Institute of Fisheries Sciences, National Taiwan University. By 2016, the branch has 72 active members and is having a very healthy financial status.

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. Leao 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. Annual scientific meeting of Fisheries Society of Taiwan was held in National Taiwan Ocean University on January 19, 2013, in which 364 abstracts were presented and published in the "Program and Abstracts".



Dr. Chao N.S., Dr. Liao I. C., Dr. Chen J.C. and Dr. Tseng W.N. attended the 9AFAF in SHOU, Shanghai, China (April 20, 2011)



Participants from Taiwan Branch attended the welcome party Hosted by President Dr. Pan Ying Jie, SHOU, Shanghai, China (April 21, 2011)



Participants from Taiwan Branch visited Main Library Hall, Shanghai Ocean University, Shanghai, China (April 21, 2011)



International Conference on Challenges in Aquatic Sciences organized by Chairman of Committee Members and Dr. Huang Jiang-Shiou (March, 2013)



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



Participants from Taiwan Branch attended the 10th Asian Fisheries and Aquaculture Forum at Yeosu, Korea (April 30, 2013)



Participants of the Joint Meeting 2014

Dr. Yu-Hung Lin, Secretary of AFS-TB grouped 38 academic and industrial members from AFS-TB to attend the 9th Symposium of World's Chinese Scientists on Nutrition and Feeding of Finfish and Shellfish held on November 12-16, 2013 in Xiamen, China. They reported 21 papers in the meeting. Dr. Lin further grouped 53 academic and industrial members from AFS-TB to attend the 10th Symposium of World's Chinese



Participants in Annual Meeting in 2016



Award Winners of the Poster Presentations 2016

Scientists on Nutrition and Feeding of Finfish and Shellfish held at Wuhan, China during October 22-26, 2015. They reported 31 papers in the meeting. This meeting brought together about 1,350 aquaculture nutritionists globally to discuss progressive on fish and shrimp nutrition.

AFS-TB organized an Annual Meeting at the National Pingtung University of Science and Technology in January, 2016, which brought together about 400 attendees from all sectors of fisheries. A total of 222 reports including one keynote speech, 90 oral presentation and 131 posters was presented. Discussion on the registration of the Branch members to attend the 11th Asian Fisheries and Aquaculture Forum in Bangkok, Thailand was also discussed.

President: Dr. Jiang-Shiou Hwang, National Taiwan Ocean University
 Vice-president: Dr. Hong-Thih Lai, National Chiayi University
 Secretary: Dr. Yu-Hung Lin, National Pingtung University of Sci. & Tech.



Address by President



*AFS Relation Report being Presented
by Prof. Chen-Huei Huang*

AFS Taiwan Branch

Chairperson: Dr. Jiang-Shiou Hwang

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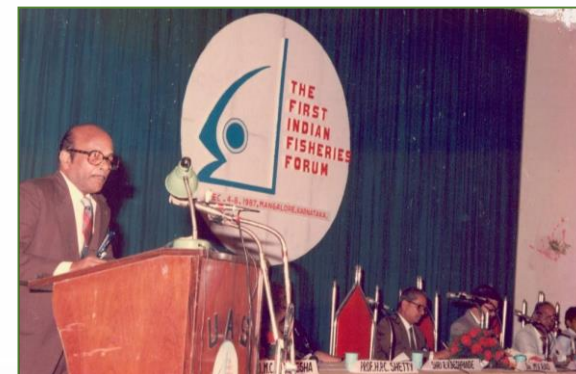
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The Indian Branch (AFS-IB)

The Asian Fisheries Society Indian Branch (AFSIB), 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.

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; the 8th (2008) at Kolkotta, West Bengal and 9th (2012) at Chennai, South India. All these fora had more than 500 participants, including students, researchers, and 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 10th IFAF (Indian Fisheries Forum renamed as the Indian Fisheries and Aquaculture Forum) was held in November 13-15, 2014 at the ICAR-National Bureau of Fish Genetic Resources (NBFGR), Lucknow India.



Inaugural Function of the 1st Indian Fisheries Forum, Mangalore, India in December, 1987

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.

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.

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. M. J. 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, Member of Parliament.



Inaugural Function of the 8th Asian Fisheries Forum, held at Kochi, India during November, 2007

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 during December 4-6, 2012 at Mangalore.

10th Indian Fisheries and Aquaculture Forum (10ifaf): The 10ifaf with the theme "Towards Responsible Aquaculture and Sustainable Fisheries" was organized under the aegis of AFSIB during November 2014. Over 700 distinguished scientists, technocrats, policy makers, members from financial institutions, NGOs, students, farmers and entrepreneurs from all over the country and overseas participated in the Forum. The Forum was inaugurated by the Hon'ble Governor of U.P., Shri Ram Naik. Dr. S. Ayyappan, Secretary DARE and Director General, ICAR presided over by the programme and other dignitaries present were Dr. B. Meenakumari, DDG (F. Sc.), ICAR and Dr. Cherdasak Virapat,



Inauguration of the 10th Indian Fisheries and Aquaculture Forum, Lucknow, India in November, 2014

DG, NACA, Bangkok as Guests of Honour; Dr. J.K. Jena, Convener, 10ifaf, Chairman, AFSIB & Director NBFGR; and Dr. B.A. Shamsundar, Secretary AFSIB, Mangalore.

The inaugural session followed with two Key-note addresses by Dr. M.V. Gupta, World Food Prize Laureate and former ADG, World Fish, Malaysia on "Responsible Aquaculture: The context and Action Needed" and Dr. M.J. Modayil, Former Member, ASRB, New Delhi and Former Director, CMFRI on "Sustainable Fisheries". There were two Lead Plenary Lectures delivered by international experts like Dr. Virapat and Dr. Chris O'Brien, Regional Coordinator, BOBLME, Thailand. An Evening Plenary Lecture was also delivered by Dr. Meryl J. Williams, Former DG, WorldFish.



Participants of the 10IFAF, Lucknow, India

The technical programmes of the Forum were conducted in six parallel sessions under different thematic areas. 208 papers were presented as Oral Presentations and 149 were presented as Posters. Besides, several lead lectures were also presented by leading experts of the country. As a parallel event of 10ifaf, an Exhibition with 32 stalls were also arranged for showcasing technologies and products/ publications. The Plenary and Valedictory Session of the 10ifaf was organized on 14th November, 2014. Dr. Raj Sekhar Vundru, IAS, Joint Secretary, DAHFD, Govt. of India was the Chief Guest and Dr. B. Meenakumari, presided over the function. Dr. K.V. Devaraj, Former Vice-Chancellor, UAS, Bangalore; Dr. K. Gopakumar, Former DDG (Fisheries), ICAR and Dr. Mohan J. Modayil, Former Member, ASRB were the Guests of Honour. Two AFSIB Young Scientist awards and 10 poster presentation awards were also bestowed to the winners. Dr. B. Shamsunder, Secretary, AFSIB made a declaration of the next venue of the forum, which will be organized at Kochi by the CIFT.



Souvenir Release during Inauguration of the 10IFAF



Posters Presentation during 10IFAF, Lucknow, India



Cultural Programme before the Participants of 10IFAF

International Workshop on Aquatic Animal Disease Surveillance (IWAADS): The IWAADS was organised by NBFGR, Lucknow in collaboration with the AFSIB on 14th November 2014, which was inaugurated by Dr. R.S. Vundru and Dr. B. Meenakumari presided over the function. Other guests present on the dais were Prof. Kenton L. Morgan, University of Liverpool, UK and Dr. Eduardo Leano, NACA, Bangkok as Guests of Honour; Dr. J.K. Jena, Convener and Dr. P. Punia, Co-coordinator, NSPAAD.

During the workshop, there were lead presentations by Prof. Kenton Morgan and Dr. Eduardo. A Panel Discussions was also organised on 'Aquatic Animal Disease Surveillance in India' by the several national experts on Fish disease management. Over 200 delegates from India and overseas participated in this international workshop.



Panel Discussions during International Workshop on Aquatic Animal Disease Surveillance, held at Lucknow, India

National Seminar on Fisheries and Aquaculture: Livelihood security, Sustainability and Conservation: The Symposium was organized at the College of Fisheries, Lembucherra, Tripura during 21-22 January, 2016. The event was organized by the North East Society for Fisheries and Aquaculture (India) and AFSIB, in collaboration with Central Agricultural University (CAU), Imphal, India.

Shri Tathagata Roy, the Hon'ble Governor of Tripura inaugurated the Seminar as the Chief Guest. The function was also graced by Dr. J.K. Jena, DDG (F. Sc.), Prof. M. Kurup, Vice-Chancellor, KUFOS, Dr. M.P. Singh, Former Vice-Chancellor, CAU, Imphal, Dr. S.S. Baghel, Former Vice-Chancellor, CAU, Imphal, Dr. W.S. Lakra, Former Director/Vice-Chancellor, Central Institute of Fisheries Education, Mumbai, and was presided over by Prof. M. Premjit Singh, Vice-Chancellor, CAU, Imphal.

The Seminar was attended by more than 170 delegates from 20 states and Union Territories including professors, researchers, planners, administrators and officials from different ICAR research institutes, fisheries colleges and industries, state line departments, NGOs, and private sectors and also by 130 UG and PG students.



Inauguration of the National Seminar on Fisheries and Aquaculture: Livelihood security, Sustainability and Conservation, CoF, Tripura, India

2nd International Symposium on Genomics in Aquaculture (ISGA-II): The ISGA-II was held at the ICAR-Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar during 28-30 January 2016. The event was organized by CIFA in collaboration with Association of Aquaculturists, Bhubaneswar and AFSIB, Mangalore.

The Symposium was inaugurated by Dr. J.K. Jena, DDG (F. Sc.), ICAR and Chairman, AFSIB as Chief Guest. The other guests present on the dais were Prof. B. Venkatesh, Professor, Institute of Molecular and Cell Biology, A*STAR, Biopolis, Singapore; Dr. P. Jayasankar, Director, CIFA; Dr. Gopal Krishna, Director and Vice-Chancellor (Acting), CI FE; Dr. A.K. Singh, Director, DCFR, Bhimtal; Dr. J.K. Sundaray, Head, Fish Genetics and Biotechnology Division, CIFA; and Dr. B.K. Das, Principal Scientist, CIFA and Secretary, AoA.

The Keynote Address was delivered by Dr. B. Venkatesh. Besides the overseas experts, Dr. Nicholas Robinson, Research Scientist, NOFIMA and Dr. Victor Martinez, Asso. Professor, University of Chile, Santiago; the eminent speakers from the country included senior researchers from ICAR & CSIR Institutes.

The Technical Sessions consisted of Molecular Breeding, Genomics in Fish Health, Reproduction and Nutrition, Population Genomics as well as Genome Informatics. There were 9 Lead Lecturers, 23 Oral Presentation and 36 Poster Presentations.



Inauguration of the 2nd International Symposium on Genomics in Aquaculture, Bhubaneswar, India

GAF5 and CAA5: The AFSIB also collaborated in organization of the 5th International Symposium on Gender in Aquaculture and Fisheries (GAF5) held at Lucknow, India during November, 2014 and 5th International Symposium on Cage Aquaculture in Asia held at Kochi, India during November, 2015.



Participants of the 5th International Symposium on Gender in Aquaculture and Fisheries (GAF5) held at Lucknow, India



Organising Team Members of the 5th International Symposium on Cage Aquaculture in Asia held at Kochi, India

Executive Committee of AFSIB

The election of new office bearers of Asian Fisheries Society Indian Branch for the period 2014-2017 was held on 13th November, 2014 and the following members were elected.

Chairman: Dr. J.K. Jena, Director, NBFGR, Lucknow (At present as DDG, ICAR)

Vice-chairman: Dr. A. Gopalakrishnan, Director, CMFRI, Kochi

Gen. Secretary: Dr. B.A. Shamasundar, Prof., CoF, Mangalore

Treasurer: Dr. Mridula Rajesh, Asso. Prof., CoF, Mangalore

Executive Committee Members:

1. Dr. V. K. Saxena, Head, Dept. of Zoology, Narain (P.G.) College, Shikohabad, Uttar Pradesh
2. Dr P. Nammalwar, Project Advisor, Educational Multimedia Research Center, Department of Media Sciences, Anna University, Chennai
3. Dr Ashim Kumar Nath, Asso. Professor, Post-Graduate Department of Zoology, Serampore College, Serampore, Hooghly, West Bengal
4. Dr P. K. Pradhan, Senior Scientist, NBFGR, anal Ring Road, P.O. Dilkusha, Lucknow
5. Dr Shivakumar Magada, Professor, College of Fisheries, Mangalore

Advisors

1. Dr. S. Ayyappan, Former Secretary, DARE and DG, ICAR, New Delhi (At Present NABARD Chair Professor)
2. Dr. M. J. Modayil, Former Director, CMFRI; Former Member ASRB; & Former President, AFSIB
3. Dr. M. V. Gupta, Former ADG, WorldFish and World Food Prize Laureate
4. Dr. P. Keshavnath, Former Dean, College of Fisheries, Mangalore and Former Secretary, AFSIB

AFS Indian Branch

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The Japan Branch (AFS-JB)

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. The new field expected to 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.

At 46th CM at Shanghai, it was suggested and later agreed that Faculty of Fisheries of Kagoshima University will work as Headquarter of Japan Branch. Prof. Tatsuro Matsuoka and his colleagues obtained a list of Japan Branch, which was not renewed for years. They identified the current situation of listed members and found that most of them were retired or inactivated. Efforts are underway to restart the branch activity at the earliest. Prof. Shunsuke Koshio is now taking over a position as a Head of Japan Branch since April, 2016. Japan Branch has currently tried to reorganize the branch to restart the activity. The followings are the summarized activities:

- Headquarter transfer of Japan Branch from the Department of Global Agriculture Sciences, University of Tokyo to the Faculty of Fisheries, Kagoshima University is now completed
- Reconstruction of membership list is now underway.
- Some actions concerning membership promotion, workshop, seminar etc. are now under discussion.

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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: (1) to promote effective interaction and cooperation among persons involved in aquatic animal health research; (2) to encourage and promote investigation and advances in knowledge of aquatic animal health; (3) to focus attention on aquatic animal health problems by disseminating technical and other information on all aspects of aquatic animal health; and (4) to 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.



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

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.³⁷

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) was held in Ho Chi Minh City, Vietnam during 24-28 November 2014. It was hosted and organized by the Department of Animal Health, Ministry of Agriculture and Rural Development, Vietnam, and the local Organizing Committee headed by Dr. Nguyen Van Long. The meeting was attended by 56 participants from 33 countries around the world, with 99 oral presentations and 150 poster presentations on biosecurity, immunology, diagnostics, disease management, and emerging fish and shrimp diseases.



Ninth Symposium on Diseases in Asian Aquaculture (DAA9) held at Ho Chi Minh City, Vietnam during November 2014

In conjunction with the DAA9, the 10th TGM of AFS-FHS was held on 26th November 2015, and selected the 2015-2017 ExeCom officers and members as follows:

Chairperson: Dr. Phan Thi Van (Vietnam)

Vice-Chairperson: Dr. Agus Sunarto (Indonesia/Australia)

Secretary/Treasurer: Dr. Eduardo Leaño (Philippines/Thailand)

Members: 1) Prof. CV Mohan (Past Chair; India/Malaysia); 2) Dr. Le Van Khoa (Vietnam); 3) Dr. Susan Gibson-Kueh (Singapore/Australia); 4) Dr. Pravata K. Pradhan (India); Dr. Motohiko Sano (Japan); 6) Dr. Puttharat Baoprasertkul (Thailand); 7) Dr. Jie Huang (China); and 8) Dr. Darshanee Ruwandeeepika (Sri Lanka)

Observers: 1) Dr. Han-Ching Wang (Taiwan); 2) Dr. Riji John (India); 3) Dr. Ei Lin Ooi (Singapore/Thailand); 4) Dr. Beng Chu Kua (Malaysia); and 5) Dr. Joselito Somga (Philippines)



Interaction of participants during the Technical Session of the DAA9 held at Ho Chi Minh City, Vietnam

The Fish Health Section

Chairperson: Prof Chadag Mohan
C.V. Mohan, PhD (Stirling)

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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 WorldFish 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 socioeconomics 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.



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



Meeting of the Social Science Group at the SHOU during 2010

Asian Fisheries Social Science Research Network Section

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The AFS 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 47 Council Meetings. These meetings are usually held in member countries on a rotational basis. More information on the functions of the AFS Council and its management roles can be obtained from the AFS website: www.asianfisheriessociety.org and the AFS Constitution.



First AFS Council, 1984-1986



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



35th Council meeting held in Taipei by the late President Prof. Yana Yi



32nd Council meeting in University Putra Malaysia in March 2007



38th Council meeting at KORDI, South Korea



39th Council meeting held at Shanghai Ocean University in April 2011



43rd Council meeting held at Yeosu, Korea on 29th April, 2013



45th Council meeting held at UPM, Kuala Lumpur, Malaysia on 21st April, 2014



46th Council meeting held at SHOU, Shanghai, China on 21st April, 2015



47th Council meeting held at Bangkok on 8th April, 2016

Council Members

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

Sixth Council (1998-2001)	Seventh Council (2001-2004)	Eighth Council (2004-2007)	Ninth Council (2007-2011)	Tenth Council (2011-2013)
Dr. I Chiu Liao - President	Dr. Clarissa Marte - President	Dr. Chan-Lui Lee - President	Prof. Yang Yi - President (2007-09) Prof. Ida Siason - President (2009-11)	Dr. Derek Staples - President
Dr. Angela Arthington	Dr. Chan-Lui Lee	Dr. Clarissa Marte	Dr. Chan-Lui Lee	Dr. Aziz Arshad
Mr. Bernard R. Smith	Dr. Fatimah Yusoff	Dr. Fatimah Yusoff	Dr. Derek Staples	Prof. Hisahi Kurokura
Dr. Clarissa Marte	Mr. Gopinath Nagaraj	Dr. Hisashi Kurokura	Prof. Fatimah Md. Yusoff	Prof. Ida Siason
Dr. Efren Flores	Dr. I-Chiu Liao	Dr. Houn-Yung Chen	Prof. Hisahi Kurokura	Prof. Jeong-Yeol Lee
Prof. Fumio Takashima	Dr. Ida Siason	Dr. Ida Siason	Prof. Jae-Yoon Jo	Dr. Joebert D. Toledo
Dr. In-Bae Kim	Dr. Jo Jae-Yoon	Dr. Jae-Yoon Jo	Prof. Mohan J. Modayil	Prof. M.C. Nandeesha
Dr. Kamonporn Tonguthai	Dr. Kamonporn Tonguthai	Dr. Modadugu Gupta	Dr. Shi-Yen Shiau	Muhammad F. A. Sondita
Dr. Lee-Shing Fang	Dr. Modadugu Gupta	Dr. Mohan J. Modayil	Prof. Peter Walker	Prof. Neil Loneragan
Dr. Modadugu Gupta	Dr. Nao Thuok	Dr. Rafael D. Guerrero III	Dr. Piyatiratitivorakul	Prof. Nguyen T. Phuong
Dr. Mohamed Shariff	Dr. Roshada Hashim	Dr. Roshada Hashim	Prof. Roshada Hashim	Prof. Sang Duk Choi
Dr. Piamsak Menasveta	Dr. S. C. Pathak	Dr. S. Piyatiratitivorakul	Dr. Subbanna Ayyappan	Prof. Shoulin Huang
Dr. Rohana Subasinghe	Dr. S. Piyatiratitivorakul	Dr. Subbanna Ayyappan	Prof. Shi-Yen Shiau	Dr. Sirawut Klinbunga
Dr. S.C. Pathak	Dr. Takafumi Arimoto	Dr. Takafumi Arimoto	Dr. Shoulin Huang	Dr. Soon-Kil Yi
Dr. Takafumi Arimoto	Dr. Yang Yi	Dr. Yang Yi	Prof. Somkiat	Prof. XinZhong Wu
Dr. Yew-Hu Chien	Dr. Yew-Hu Chien	Dr. Yingqi Zhou	Dr. Soon-Kil Yi	Prof. Yingqi Zhou
	Dr. Yingqi Zhou		Prof. Yingqi Zhou	Dr. Zuridah Merican

11th AFS Council (May 2013-August 2016)



Prof. Shuolin Huang
President,
China



Dr. Derek Staples
Immediate Past
President, Australia



Dr. J.K. Jena
In-Coming President,
India



Dr. Alice Joan Ferrer
Vice-President,
Philippines



Prof. Neil Loneragan,
Vice-President (May 2013-
Apr. 2015), Australia



Dr. Abol Munafi
Secretary, Malaysia



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Taiwan



Muhammad Fedi A.
Sondita, Indonesia



Prof. Hsiung Yung
Chen, Taiwan



Dr. Joebert D. Toledo,
Philippines



Prof. Nguyen Phu Hoa,
Vietnam



Prof. Sang Duk CHOI
Korea



Dr. Sirawut Klinbunga,
Thailand



Prof. T. Lirdwitayaprasit
Thailand



Prof. XinZhong WU,
China

In Memory of Our 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 33 years since the Society was established and some of these members have left us. The Society would like to remember these people and convey its sincere gratitude to all the distinguished members who have supported the Society. Below are some distinguished members who have passed away in recent years.



*Prof. A. Kanazawa -
HLM*



*Prof. Yang Yi -
Past President*



*Prof. M.C. Nandeesh -
Councillor*



*Dr Shao-Wen Ling -
HLM*



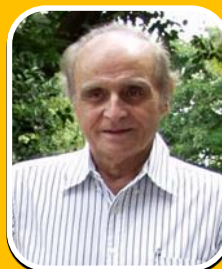
*Dr Katsuzo Kuronuma -
HLM*



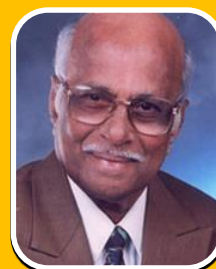
*Dr Yasuo Ohshima -
HLM*



*Dr. T.V.R. Pillay -
HLM*



*Dr. S.Z. Qasim -
HLM*



*Prof. H.P.C. Shetty -
Councillor, Founder
President, AFSIB*

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



The original Society Headquarters-the “Townhouse”, Manila

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 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).



Dr. Chua is assisted by Mr. Cui He (China) during Buy-a-Brick Campaign (4AFF, Beijing)

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 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. Further, Mrs. Malathi replaced Ms Jocyntha as Executive Officer in 2014.



The new AFS Headquarters, Institute of Bioscience, UPM, Malaysia



The Signing the MOA for the new AFS headquarters-November 2008



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)

Supporters

The Society gratefully acknowledges the financial assistance and generous support provided by the following organizations during the 11th Council term between 2013-2016:

-  AquaFish CRSP-For supporting capacity building, R&D and sustainable projects development in many Asia-Pacific countries;
-  Australian Centre for International Agricultural Research (ACIAR-Fisheries Program)-For supporting capacity building, R&D and sustainable projects development in many Asia-Pacific countries since the mid-1990's;
-  Kanazawa Trust Fund-For funding the Kanazawa scholarships for young scientists which were awarded during the 8th, 9th and 10th AFAF;
-  Chonnam National University, Yeosu, Korea for the organization of 10AFAF, CAA4 and GAF4;
-  Asian Fisheries Society Indian Branch (AFSIB) and ICAR- National Bureau of Fish Genetic Resources, Lucknow, India for the organization of GAF5;
-  Shanghai Ocean University (SHOU), Shanghai, China for the organization of ISAFE2;
-  AFSIB and ICAR-Central Marine Fisheries Research Institute, Kochi, India for the organization of CAA5;
-  International Seafood Sustainability Foundation (ISSF) for support in the FishWatch-Asia Pacific program, a key project of the AFS.

A Note of Thanks

The Asian Fisheries Society and the International and Local Organizing Committees of the 11th AFAF gratefully acknowledge the financial assistance and/or generous support provided by the following Thai and international organizations:

Thai Supporters

Financial supporters

- Department of Fisheries, Thailand
- Chulalongkorn University, Bangkok, Thailand

International Supporters:

- Network of Aquaculture Centres in Asia-Pacific (NACA), Bangkok
- Food and Agriculture Organization of the United Nations
- GLOBEFISH
- INFOFISH
- Southeast Asian Fisheries Development Center
- Aquafish Innovation Lab

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