

Weed Science Societies of Asian-Pacific Region



In Commemoration of
Silver Jubilee APWSS Conference
Hyderabad, India



Asian Pacific Weed Science Society
Indian Society of Weed Science



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Preface

Weeds are a major biotic constraint in agricultural production systems worldwide. Besides reducing crop yield and quality, these unwanted plants adversely affect biodiversity, animal health and environmental quality. In fact the problem of weeds is as old as the agriculture itself as almost all crop plants have been domesticated from their wild relatives only. Despite the development of weed management technologies, the weed related problems have been virtually increasing. This is due to adoption of so-called modern cultivation methods which also promote the growth of weeds. The threats posed by climate change, globalization, herbicide resistance development in weeds and commercialization of herbicide-tolerant crops are bound to accentuate the problem.

Realizing the growing weed infestations in the cropped and non-cropped lands, agricultural scientists of the world have been undertaking research and sharing their findings at various platforms. One such initiative was taken way back in 1967 when weed scientists of 22 countries of the Asian-Pacific region met at the Hawaiian Island of Kauai to establish linkages and discuss what should be done in weed science in this part of the world. This meeting led to the birth of the Asian-Pacific Weed Science Society (APWSS), and since then, the Society has grown and developed into a major regional and international weed science society.

Over the years, the discipline of weed science has also developed in many countries of the region and professional societies dealing with the subject have been established for mutual exchange and sharing of knowledge. Besides organizing various activities including conferences and symposia at the national level, these professional societies have also been providing a platform for sharing of international experiences on emerging issues in weed science. The APWSS has been providing a major platform for these regional weed science societies for organizing the APWSS Conferences every two years. These Conferences have been organized in different countries of the Asian-Pacific region like Philippines (1969, 1983, 2003), Malaysia (1971, 1997), New Zealand (1973), Japan (1975, 1995), Indonesia (1977, 1991, 2013), Australia (1979, 1993, 2011), India (1981), Thailand (1985, 1999), Taiwan (1987), Korea (1989), China (2001), Vietnam (2005), Sri Lanka (2007) and Pakistan (2010) by the respective weed science societies. Although scientists from about 20-25 countries have been participating in these Conferences, the weed science societies of only 16 countries have been established and are members of the APWSS.

On the special occasion of the Silver Jubilee of the APWSS Conferences being organized at Hyderabad, India during 13-16 October, 2015, an initiative was taken by the Indian Society of Weed Science to bring out a compiled volume of the weed science societies of the Asian-Pacific region. This publication contains information on the history, objectives, membership, activities, awards, publications and office bearers of the 16 member societies. We are grateful to the office-bearers of these societies for providing the information. It is hoped that this publication will be useful for further strengthening of collaborations and sharing of ideas and research information in the field of weed science.

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13 October, 2015

Dr. N.T. Yaduraju
President, 25th APWSS Conference
Dr. A.R. Sharma
Organizing Secretary, 25th APWSS Conference

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Asian-Pacific Weed Science Society

History

Asian-Pacific Weed Science Society was founded on 22 June, 1967 in the Hawaiian island of Kauai. A series of events, brought about by the vision, planning, and hard work of the APWSS founding fathers led to this momentous occasion. In January 1967, Dr. William R. Furtick, Professor at Oregon State University, Dr. Roman R. Romanowski and Dr. Donald L. Plucknett, both Professors at University of Hawaii, realizing the need to establish linkages with fellow weed science workers in the Asia-Pacific region, met and discussed what should be done in weed science in this part of the world. Out of that meeting and brain storming session, the first "Asian-Pacific Weed Control Interchange" was organized and held on 16-22 June, 1967 at the University of Hawaii in Honolulu during the first week and in the island of Kauai during the second week. The meeting, attended by about 87 delegates from 22 countries, was co-sponsored by the East-West Center Institute for Technical Interchange and the University of Hawaii. On the last day of the Interchange, the delegates met at the Prince Kuhio Hotel in the island of Kauai, and organized the Asian-Pacific Weed Science Society. The first set of officers were elected, with Dr. Marcos Vega as President and Dr. Roman Romanowski as Secretary. Dr. Don Plucknett was elected Secretary in 1969 and was in that role for 14 years, but continued to support the Society in many ways over a long period. The theme for that first Conference, held under the chairmanship of Dr. Marcos Vega of Philippines, was "Weed control - basic to agricultural development" and how true it remains until today. Since that first meeting, sparked by the vision, enthusiasm and hard work of our founding fathers and the various APWSS officers and members, weed scientists, and individuals in the Asia-Pacific region who have devoted their time, efforts, and energy to the Society over almost 50 years, the APWSS has grown and developed into a major regional and international weed science society.

Objectives

The general objective of APWSS is to promote weed science, in particular in the Asian and Pacific regions, by pooling and exchanging information on all aspects of weed science. The primary objective during the first meeting was to facilitate the interchange of current weed control information and to promote research in weed science in the Asian-Pacific region, because during those periods, most research in weed control had been confined to the temperate zone. To be able to achieve the initial objectives, Dr. Don Plucknett, one of the founding fathers, aimed to identify: (a) the weed workers in the Asian-Pacific region; (b) the major weeds and weed problems; (c) the research and development needs of various countries in the region; and (d) the linkages necessary or possible in dealing with the perceived needs. The Society has delivered extensively on its prime objective of promoting weed science in the Asian-Pacific region, by pooling and exchanging information. This has been done primarily through its biennial conference held regularly in different locations. The effort has been enhanced through occasional workshops and symposia, held as necessary, which brought together many experts including some from out of the region.

Two famous books, “The World’s Worst Weeds” and “A Geographical Atlas of World Weeds” have been co-authored by APWSS founding members (Leroy Holm, Juan Pancho, Donald Plucknett and Horace Clay) with support from APWSS and the East-West Centre at the University of Hawaii. The international journal 'Weed Biology and Management', first published in March 2001, (and now in its 11th year) is published by the Weed Science Society of Japan Inc. with, and encouragement from various national weed science societies affiliated with APWSS. The above, and some additional activities that have helped in achieving the aims of the Society are summarised below:

Activities and Achievements

Biennial Conferences: Since the first meeting in 1967, a conference has been held every two years hosted by different countries in the region. The only exception was the 22nd Conference which was held in March, 2010 (instead of 2009 as planned) due to some organisational difficulties. The number of participants attending each conference increased from the 87 founding members in 1967 to about 300 in the 1980's, peaking at 589 in 1989. The number of papers also increased from 50 in 1967, peaking at 223 in 1999. The quality of Conference proceedings has also improved substantially, with some Conferences producing two large volumes. The number of countries participating was lowest (8) in 2010 and the highest (27) in 1997, with some participants from outside the Asian-Pacific region.

Symposia and Workshops: APWSS has sponsored and held the following workshops and symposia in various locations in the Asian-Pacific region:

The first symposium on “Integrated Control of Weeds” was organised in 1975 as a component of the 5th APWSS Conference programme held in Tokyo, Japan.

An APWSS-sponsored FAO/IWSS Expert Consultation on Improving Weed Management in Developing Countries Workshop was held in Rome, Italy on 6-11 September, 1982, where an FAO Panel of Experts for Weed Science was appointed.

APWSS sponsored the “International Symposium on Wild and Weedy Rices in Agroecosystems” which was held in Ho Chi Minh City, Vietnam in 10-11 August, 1998.

A satellite workshop of the 18th Conference in 2001 on “Control of *Echinochloa* species” was held in Beijing, China on 27 May, 2001, co-sponsored by APWSS and FAO.

The Asian-Pacific Herbicide Resistance Working Group was formed in 2001 (chaired by Dr. K. Itoh) to manage herbicide resistance and search for solutions to resistance problems in the Asian-Pacific region.

A FAO-APWSS pre-Conference sponsored workshop on “Control of *Cyperaceae* Weeds” was held on 6 November, 2005 in Ho Chi Minh City, Vietnam.

Training:

APWSS members have helped provide assistance in coordination and information dissemination of several organisations in the Asian-Pacific regions in organising training courses and seminars. Notable among these include: (i) East-West Center of University of Hawaii started around 1961 to increase understanding among nations through cross-cultural interchange in an

academic setting; and (ii) BIOTOP in Indonesia, established around 1968, which has provided both intensive courses as well as long-term research training courses in weed science. A couple of specific examples include: (i) 'Weed Science in the Asian Tropics' sponsored by APWSS and Weed Science Society of Japan, held in Thailand in 1995; and (ii) the International Seminar on 'Weed Management in the North Asian Region' co-sponsored by APWSS, Northeast Agricultural University, Korean Weed Science Society and Weed Science Society of Japan, and was held in Harbin, China from 20-23 August, 1996.

Newsletters

To enhance the communication between Society members, the idea of an APWSS Newsletter was discussed around 1973 and Dr. Philip Motooka was appointed the first Newsletter Editor from 1973-1983, followed by Dr. Beatriz Mercado (1983-1987), Dr. Aurora Baltazar (1987-1993; 1997-2001); Dr. John Swarbrick (1993-1997), and Dr. Yasuhiro Yogo (2001-2005). Since then an average of 4 issues have been published biennially (up to 7 issues between 1977 and 1979). Unfortunately, there was a brief pause between 2005 and 2008 until Dr. Nimal Chandrasena gave the Newsletter a new lease of life and has kept it going since then. These Newsletters have included news items from member countries, activities of members, development in the industry, information on specific weeds as well as current research being conducted by weed scientists of the region.

Awards and Travel Grants

APWSS, in cooperation with the international chemical company Monsanto, established the Best Paper and Best Poster competition which ran for 20 years from 1983 to 2003. The aim of this competition was to recognise and encourage high quality research in weed science and related fields in the region. During each conference, three best Papers (oral) and three Best Posters were selected by a panel of judges. These high quality presentations reflected the progress of weed science in the region and highlighted the research problems prevalent at the time. The award included a plaque and a cash prize.

The Young and Deserving Scientists Travel Grant was initiated in 1987 to give partial support to members to present at the APWSS Conference. Full implementation of this Grant occurred in early 1990s and it has been in operation since then.

The first APWSS honorary life member, Dr. Y. Baron Goto, was elected in 1973. Since then many others have been added to the list including: Dr. Kenji Noda, Dr. Shooichi Matsunaka, Dr. Les J. Matthews, Dr. Marcos Vega and Dr. Mohamad Soerjani, among others. At the 20th anniversary of APWSS in 1989, a special programme was held to honour and recognise the founding members, charter members and past presidents for their contributions to the Society. A special citation was presented to Dr. Donald Plucknett who was one of the three founding fathers of APWSS in 1967.

Affiliations/Collaborations

The Weed Science Society of Indonesia was the first national society to become affiliated with APWSS in 1971. This number grew quickly to 6 by 1973 with the affiliation of national societies of USA, Japan, India, New Zealand and Australia. With the constant encouragement and support of APWSS, more national societies were established and by 1989 there were 13 national

societies represented at its Executive Committee meeting. The Weed Science Society of Vietnam and the Plant Protection Society of Sri Lanka were added to the list in 1997 and 1999 respectively. The latest, the Weed Science Society of Bangladesh was formed in 2008.

APWSS became an affiliate of IWSS in 1975 and, when the first set of officers for IWSS was installed during the 1977 business meeting of APWSS in Indonesia. Dr. Les J. Matthews of New Zealand was appointed its first President and Dr. Shooichi Matsunaka became APWSS representative.

In the early years, the weed specialist post in the FAO Plant Protection Service was held for short periods by Dr. Leroy Holm and Dr. Colin Little. When it was developed as a permanent position in 1977, it was held for several years by Dr. Les J. Matthews.

In 1987, WSSA and APWSS agreed to establish an official exchange of conference delegates to promote closer contact between the two societies. The first official WSSA delegate was Dr. Richard Schumacher and the APWSS delegate was Dr. Yuh-Lin Chen.

A logo design contest was held and the current APWSS logo (the globe design) was selected as the winner in 1985. It was designed by Dr. A.N. Rao of IRRI in Los Banos, Laguna, Philippines. The Korean Society of Weed Science, organiser and host of the 12th Conference in 1989, donated the APWSS flag, which is passed from one host society to the next.

Challenges for APWSS

APWSS has played an extremely important role by connecting so many people from so many parts of the world and providing a vibrant forum for the exchange of weed science information. In a speech acknowledging his special Citation for APWSS mentioned at the 12th Conference in 1989, Dr. Don L. Plucknett, founding father, said "I have always been proud of what the Society has been able to achieve. I have been told that APWSS is now the largest regional Weed Science Society in the world...." We wholeheartedly echo his words regarding achievements of APWSS.

The Society can further assist in the coming years by: (i) organising and facilitating regional workshops on specific topics, (ii) supporting publishing of special issues of the journal Weed biology and Management to deal with specific areas, (iii) formulating and encouraging networks for widespread problems such as weedy rice and herbicide resistance, (iv) linking up young weed scientists with the industry and internationally recognised institutions, (v) providing advocacy for adequate education and research grants in weeds science and, (vi) be at the forefront of identifying emerging issues of weeds and creating opportunities for employment of long-term solutions to weed problems. Most of all, the Society can take an active role in making the public aware of factors that may endanger the agricultural production systems being able to keep pace with the increasing demand for food – weeds being among the enemies at the top of the list.

One of the major challenges of APWSS is the economic sustainability. Due to lack of resources, the activities of the society is limited to organizing the biennial conferences in collaboration with the regional weed science societies, maintaining the website, publishing the newsletter and other minor activities. The society could do much more such as organizing workshops and training programs aimed at building the capacity of our young weed scientists of

the region on subjects of topical interest on a regular basis. The 2014-15 Executive Committee has introduced few initiatives to improve, the otherwise dwindling, financial status of the Society. They include opening up of life membership for the individuals, annual membership of regional weed science societies, corporate membership etc. The senior weed scientists and the weed science societies of the region could play a pivotal role in making the APWSS financially stronger.

Table 1. Details of biennial conferences of APWSS held since 1967

Conf. No.	Date	Venue	Theme	Papers presented	Delegates participated	Countries represented
1 st	12-22 June, 1967	Honolulu, Hawaii, USA	Weed science basic to agricultural development	50	87	22
2 nd	16-20 June, 1969	Los Banos, Laguna, Philippines	None	47	146	20
3 rd	7-12 June, 1971	Kuala Lumpur, Malaysia	None	74	200	20
4 th	12-16 March, 1973	Rotorua, New Zealand	None	78	300	18
5 th	5-11 October, 1975	Tokyo, Japan	Integrated control of weeds	114	308	21
6 th	11-17 July, 1977	Jakarta, Indonesia	Weeds in small scale farms	105	314	22
7 th	26-30 November, 1979	Sydney, Australia	Weeds in urban bushlands	134	311	18
8 th	22-29 November, 1981	Bangalore, India	Perennial weeds in cropped lands and unwanted vegetation in non-cropped lands	120	311	18
9 th	28 November – 2 December, 1983	Manila, Philippines	Weed control in cropping systems	83	305	20
10 th	24-30 November, 1985	Chiang Mai, Thailand	Weeds and the environment in the tropics	117	530	23
11 th	29 November - 5 December, 1987	Taipei, Taiwan, China	Weeds and their control in vegetable production	144	462	17
12 th	21-16 August, 1989	Seoul, South Korea	Weed problem and their economic management in Asian-Pacific Region	198	589	21
13 th	15-18 October, 1991	Jakarta, Indonesia	Vegetation management strategy for sustainable development	96	199	16
14 th	6-10 September, 1993	Brisbane, Australia	Weed management – towards tomorrow	114	453	18
15 th	24-28 July, 1995	Tsukuba, Japan	Innovative weed management strategy for sustainable agriculture	182	450	20

16 th	8-12 September, 1997	Kuala Lumpur, Malaysia	Integrated weed management towards sustainable agriculture	140	375	27
17 th	22-27 November, 1999	Bangkok, Thailand	Weeds and environmental impact	223	392	21
18 th	28 May -2 June, 2001	Beijing, China	The role of ecologically-based weed management for sustainable agriculture in the 21 st Century	201	400	26
19 th	16-21 March, 2003	Manila, Philippines	Weed science, agricultural sustainability and GMOs	143	200	20
20 th	7-11 November, 2005	Ho Chi Minh City, Vietnam	Six decades of weed science since the discovery of 2,4 D	111	258	23
21 st	2-6 October, 2007	Colombo, Sri Lanka	Weed science for sustainable development in the 21 st century: Integrated and utility of biotechnology in weed science	134	189	19
22 nd	8-12 March, 2010	Lahore, Pakistan	Judicious weed management - road to sustainability	112	160	9
23 rd	26-29 September, 2011	Sebel, Cairns, Australia	Weed management in a changing world	140	210	26
24 th	22-25 October, 2013	Bandung, Indonesia	The role of weed science in supporting food security by 2020	105	112	16
25 th	13-16 October, 2015	Hyderabad, India	Weed science for sustainable agriculture, environment and biodiversity	600+	600+	20+

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Council of Australasian Weed Societies

Historical Background

Council of Australasian Weed Societies (CAWS) was formed at a meeting of state weed society representatives during the 1976 Australian Weeds Conference in Melbourne, and was then known as the Council of Australian Weed Science Societies (CAWSS). CAWSS was agreed as an organization to provide national coordination between state member societies to meet the varied needs between states. Dr. Bill Haseler was elected as the first President. In 2003, the council was renamed the Council of Australian Weed Societies, with the word Science dropped to more accurately reflect the membership of CAWS. Furthermore in 2006, the name was changed to the Council of Australasian Weed Societies (CAWS) to reflect the inclusion of the New Zealand Plant Protection Society who joined in the same year.

The CAWS is an independent body that can express national and regional views on all issues relating to weeds and their management. The Council is composed of delegates from Australian State Societies (the Weed Society of New South Wales Inc., the Weed Society of Queensland Inc., the Weed Management Society of South Australia, the Weed Society of Victoria Inc., the Weeds Society of Western Australia Inc., and the Tasmanian Weed Society Inc.) and the Plant Protection Society of New Zealand that have weed management as their major focus. Individuals, who are members of these member societies, are also members of CAWS.

Current Day

CAWS provides comment on national weed strategies and action plans, and in the past has contributed to the debate on invasive garden plants and other nationally important issues. CAWS supports national weed awareness activities, such as Weed Buster Week, and other initiatives where possible. A core activity for CAWS is to ensure the Australasian Weeds Conference is maintained as a national and international forum for the exchange of weed management knowledge and information.

The Council promotes weed management, and its practitioners, through education, awards, travel grants and publications.

CAWS is an Associate Member of the International Weed Science Society and is affiliated with the European Weed Research Society and the Asian-Pacific Weed Science Society.

Objectives

Under the CAWS Constitution, the objective of CAWS is to encourage and foster the study and promotion of weed science and technology in Australia and New Zealand, and in particular to:

- Provide independent, representative leadership for weed management in Australia and New Zealand, including in the weed specific areas of science, policy, planning and operations;
- Initiate and support trans-nationally significant weed related activities to meet the interests of Australian and/or New Zealand society members;

Continue to support the Australian/Australasian Weeds Conference and provide other forums for information exchange, networking and debate;

Provide national and international policy positions, promote weed awareness in the government and the general community and provide a capacity to respond to weed issues;

Support specific national and international weed related publications;

Provide national and international level services, products and communication opportunities to individual members of member societies.

Constitution and Strategic Goals

See <http://www.caws.org.au>

The key strategic goals of CAWS are:

1. CAWS is recognised by government and general community of Australia and New Zealand as an important, independent body regarding weed management issues.
2. CAWS promotes, supports and provides advice for weed related activities.
3. CAWS is a viable, effective and active body representing member societies.

Conferences

Following the success of the first Council of Australian Weed Science Societies national conference in 1978, the Australian Weeds Committee handed responsibility for future Australian Weeds Conferences to CAWS.

The Australasian Weeds Conference (AWC) is held every second year under the auspices of the CAWS. Member Societies convene the Australasian Weeds Conference on behalf of CAWS.

The proceedings from each conference organized by CAWS or preceding organisations are available at http://www.caws.org.au/awc_index.php beginning with the First Australian Weed Control Conference held in 1954 in South Australia (organized by the Australian Weeds Committee) and including the most recent conference, the 19th Australasian Weeds Conference held in Hobart, Tasmania in 2014.

The 20th Australasian Weeds Conference will be held in Perth, Western Australia on 11-15 September, 2016. More information can be obtained from the conference website <http://www.20awc.org.au/>.

Awards and Recognitions

CAWS encourages and recognises excellence through various awards:

CAWS medal for leadership

AWC travel award

Early career weed scientist travel award

Student travel award

CAWS Medal for Leadership

CAWS recognises outstanding contributions to weed management in Australasia through the award of the CAWS Medal for Leadership. This is a prestigious award with, on average, no more than two medals being awarded at each Australasian Weeds Conference.

The award recognises a contribution to the science, technology and practice of weed management through research, teaching, administration, extension and implementation of programs.

A full list of past recipients is available at http://www.caws.org.au/caws_medal.php

Australasian Weeds Conference Travel Award

Applications are invited from people working with weeds for an award to assist with their travel to the Australasian Weeds Conference (AWC). The award is intended to support people physically working with weed control in roles such as noxious weeds officers, local government staff, weed control contractors and coordinators of community weed control initiatives. The award is made available in those years that an AWC is being held. The award is open to anyone residing in Australia or New Zealand, but members of societies affiliated with CAWS may be given preference. Likewise, those applicants that indicate that they will be presenting a poster paper or oral presentation at the AWC may also be given preference. Applicants should state how they will benefit from attending the AWC.

Early Career Weed Scientist Travel Award

Applications are invited from early career weed scientists to attend national or international conferences, or for specific overseas study tours of a short duration. The award is made available annually, or less frequently depending on the standard of the applications.

Applicants must have, at the date of application, completed their last degree (undergraduate, Master, Ph. D. or other postgraduate degree) within the last five years. Applicants should also have commenced employment in any branch of weed science. The award is open to anyone residing in Australia or New Zealand, but members of Societies affiliated with CAWS may be given preference. The committee may at its discretion award more than one award for each category.

Student Travel Award

Applications are invited from students to attend national or international conferences, or for specific overseas study tours of a short duration. The award is made available annually, or less frequently depending on the standard of the applications.

This award is made to undergraduate, Master, Ph.D. or other postgraduate students, or those who have completed their studies in the previous twelve months at the date of application. The early career travel award is available for those who have completed their studies less recently. Those studying in the fields of agriculture, botany, biology, ecology, horticulture and forestry or related subjects, with some focus on weed science are encouraged to apply. The award is open to anyone residing in Australia or New Zealand, but members of Societies affiliated with CAWS may be given preference. The committee may at its discretion award more than one award for each category.

Current Office Bearers

President:	Anna-Marie Penna
Vice-president:	Rachel Melland
Secretary:	Kerry Harrington
Treasurer:	Alexandra Douglas
Committee members:	Sandy Lloyd and Rod Randall (Western Australia), Rachel Melland and Peter Tucker (South Australia), Andrew Cox and Ingrid Krockenberger (Victoria), Nicole Gill and Sue Hinton (Tasmania), Hillary Cherry and Kim Hignell (New South Wales), John Clarkson and David Thornby (Queensland) and Trevor James and Kerry Harrington (New Zealand).

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**Weed Science Society of Bangladesh****Historical Background**

The Weed Science Society of Bangladesh (WSSB) was established in August, 2008 by the first initiation of Dr. S.M. Rezaul Karim of Bangladesh Agricultural University. Since weeds play a vital role in regulating the crop yields in Bangladesh and research activities on weeds are done in different research institutes, it was felt to make a platform for interacting each other for making weed research in a good shape. Dr. Karim took this initiative on 22 February, 2008 in a meeting at Bangladesh Agricultural Research Council (BARC), Dhaka to unite all the weed scientists in a common group.

In the first executive committee, Dr. Md. Hazrat Ali, Sher-e-Bangla Agricultural University, Dhaka was elected as President and Dr. Karim as General Secretary in an annual general meeting held at BARC on 8 November, 2008.

Objectives

The overall aim of the society is to enhance the agricultural productivity through economically feasible and environmentally friendly weed management strategies. To achieve this aim, the society was established with the following objectives:

- To provide with a forum to the weed scientists to exchange their ideas with their fellow scientists
- To suggest policies to the government for controlling noxious weeds
- To maintain liaison with the international societies related to weed science
- To boost up the agricultural production through coordinated efforts of the weed scientists by publishing research findings in weed science journals, bulletins, monographs, books, fact sheets etc.
- To identify outstanding weed scientists in the country and to recognize their contributions through award giving, and
- To recommend a standard and uniform curriculum on weed science to the University Grant Commissions (UGC), Text Book Boards etc. for adoption in the agricultural universities, colleges and schools; and suggest amendment of coarse curricula in the light of new findings in weed research.

Constitution

This is a non-political, non-profit making society devoted to boost up the agricultural production through sustainable weed management. The members are the scientists with the

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academic background in Agricultural Science or Agricultural Botany. They should be registered in the society by subscribing the annual fees, which may change in different years on the basis of decision of the executive committee. The office bearers are selected in a general meeting held after biennial conferences. The executive committee comprises of: (i) President, (ii) Vice-President 1, (iii) Vice-President 2, (iv) General Secretary, (v) Joint Secretary, (vi) Treasurer, (vii) Organizing Secretary, (viii) Joint Organizing Secretary, (ix) Publication Secretary, (x) Joint Publication Secretary, (xi) International Affairs Secretary, (xii) Social Welfare Secretary, (xiii) Joint Social Welfare Secretary, (xiv) Members (ten). The treasurer of the society submits the financial report in every biennial conference. The publication secretary is mainly responsible for publication of the journal. The contact address of the society is usually the contact address of the general secretary.

Membership

Three categories of members are included – Life member, Associate member and Ordinary member. The fees for life member (Taka 2000, \$1 = Tk. 75) is higher than the ordinary member (Taka 100 only). Associate members are the members of the society whose back ground is not agricultural science but they are professionally engaged in weed research or weed science activities. The membership fee for Associate member is Taka 800. Ordinary and Associate members pay their fees annually but the life members pay the fees once at a time. Although the society started its journey with a small group of scientists (100 members) it has grown very fast reaching the number more than 400 including 40 as life members. Post graduate students of agriculture are also encouraged to participate in the conference with less registration fees.

Events Organized - conferences/workshops, awareness programmes

The society organizes seminars or conferences biennially. Since its establishment in 2008, it organized five national seminars and conferences at Dhaka, Bangladesh focusing on different themes on weed science. The first conference held on 29 November, 2008 with the conference theme “Weed management for food security” and the fourth conference held on 16 May, 2015 with the conference theme “Integrated weed management for sustainable agriculture”. The society also organized a seminar in 2009 focusing on “Problems of *Parthenium* weed and its management” In these conferences open calls are made for submitting the abstract of paper/poster. The abstracts of accepted papers are published in booklets (Souvenir) and the full papers are published in the society's journal after reviewing.

Publications

The society publishes a journal named Bangladesh Journal of Weed Science consisting one volume per year. It has its own ISSN 2078-130X. There is a Chief Editor, an editor and eight members of editorial board, who cooperate each other for reviewing, editing and finally publishing papers in the journal. Recently the society has published its 4th volume of the journal.

Awards and Recognitions

In every conference, the renowned weed scientists of the country are identified through nomination from different organizations followed by selection. The selected personnel are given due honor with a token prize and a certificate. The best paper/poster presenters are also selected by a selection committee and are awarded them in the conference. In addition to that, the young and senior scientists with good contribution in Weed Science are awarded by giving them cash money and a certificate. The best three post-graduate students engaged in weed research are also awarded with cash money to encourage them in weed research.

Current Office Bearers (2015-17)

President	Dr. Md. Rafiqul Islam Mondal, Executive Chairman, Bangladesh Agricultural Research Council, Dhaka	Tel.: +880-2-9135587 Fax: +880-2-913221418 Email: ec_bars@barc.gov.bd
General Secretary	Dr. Md. Ruhul Amin, Professor of Agronomy, Sher-e-Bangla Agricultural University, Dhaka	Tel: +8801711137132 Email: ruhulsau@yahoo.com

These new office bearers have been elected in an Annual General Meeting held on 16 May, 2015 at the end of the conference. They are responsible for the positions for next two years.

Other information

The society has its own account in a bank where all financial matters are recorded. It has a facebook address: <https://www.facebook.com/wssbd>.

Submitted by : Md. Ruhul Amin (Email: ruhulsau@yahoo.com)



Weed Science Society of China

Historical Background

Weed Science Society of China was founded in October 1981, formerly known as Weed Research Association. During the Third Congress of China Society of Plant Protection was held at Qingdao, in 1981, in order to adapt to the development of plant protection discipline on expanding our scope of academic activities, added the Weed Research Association as a branch of China Society of Plant Protection. Prof. Yang-Han Li was elected as the Chairman of the committee members; Prof. Ze-Pu Zhang as the Vice-Chairman; Prof. Sun-Rong Li as the Secretary-General; Hong-yuan Tang, Xiao-Yuan Ma, Tie-Bao Chen, Yong-Kang Chen, Jin Li, Pu Li, Shao-Quan Su, Zong-Fen Suo, Le-Ping Tu, He-Ling Tu, Xian-Feng Wang, Zhi-Cheng Xie, Chun-Bo Yan, Bao-zhen Yang and Qing-Chang Zhu were the Committee Members. During the congress, the representatives engaging in the research work of weed science and technology were invited to discuss on carrying out weed academic activities, publishing professional journals, writing weed atlas and popular weed science books for promoting the development of weed science; and suggest all provinces, and autonomous regions to set up corresponding weed research association. In 1982, the local weed science associations had been established in the two special cities of Beijing and Shanghai, and the seven provinces of Jiangsu, Hunan, Yunnan, Guangdong, Liaoning, Qinghai and Heilongjiang. Since 1992, the Weed Research Association was renamed as Weed Science Society of China; till now, all the Chinese provinces, municipalities and autonomous regions have established their local weed science societies.

See <http://www.wssc.org.cn/>

Objectives

Weed Science Society of China is to study, exchange and popularize new technology of weed control to prevent weed damage, for increasing crop yield, labor saving, reducing labor intensity, improving agricultural labor productivity and promoting transformation of traditional agriculture to a modern one. See <http://www.wssc.org.cn/English/indexen.htm>

In the past 30 years, Weed Science Society learnt to work for assisting the local organizations to carry out the weed science academic exchanges at domestic and abroad; to cultivate weed scientific and technological talents; and developing integrated weed management technology on the basis of the chemical weed control for a lot of work in our country. It has contributed to promote the progress of Chinese Weed Science Research in China. See <http://www.wssc.org.cn/forum/WSAdvanceinChina.pdf>

In order to adapt to the 21st century modernization of agricultural production and the need of sustainable development strategy to further strengthen international cooperation of weed science and technology; exchanging experience between regions, cultivating professional talents; and popularizing the weed science knowledge and weed control technology to promote the farmland weed control work for contributing to the steady and rapid development.

Scope of business

Carry out the weed science and technology and relative academic exchanges, academic annual conference, organized by topic for on a regular basis theory, academic report, scientific research activities, and assist the relevant departments of the review of academic problems. Strengthen links with other relevant research institutions, jointly carry out a comprehensive academic discussion or organize activities of scientific research, etc.

To the relevant state plant protection major science and technology policy, regulations and technical measures of important research subject as well as in weed damage problems existing in the teaching, scientific research and technology promotion, etc., actively put forward reasonable suggestions, to play technical advisory role.

Accept the commission to undertake weed science and technology project evaluation, scientific and technological achievements appraisal, technical position to qualify, organization, science and technology exhibitions, science and technology literature and standard editor.

To carry out the weed control, popularizing scientific knowledge, spreading actively advanced science and technology experience and organizing the members to carry out various forms of paid technical services, etc.

Editing and publishing the books of weed science and technology and related audio and video products, journal of weed sciences. Published weed scientific research and new achievement in our country, including weed biology, weed control and the study of new herbicides for weed science research and weed control reference.

Actively engaging in weed science and technology of international academic exchanges and participating at meetings held with the international academic organization and other activities to strengthen relevant academic groups of scientific and technical workers with foreign friendly contact, and organizing to go inspection abroad for introducing and absorbing the advanced weed science and technology of our country's agricultural modernization. Since 1989, our society has sent a delegate to attend the 12th Asian-Pacific Weed Science Conference in Seoul, thereafter, the committee members from our society continued to attend the successive sessions of APWSS and IWSS; The 18th Asian-Pacific Weed Science Society Conference was held in Beijing, China, 2001; The VI International Weed Science Congress was held in Hangzhou, China, 2012; and since 1982, the national weed science society conferences have been held in China, once every two years.

According to the national agricultural modernization construction and the needs of the development of science, holding weed science and technology of all kinds of culture training classes or workshop for many times, in order to improve the scientific and technological level of the members and other workers.

Recognizing and rewarding outstanding achievements in weed science and technology activities of members, and science and technology workers, to send and recommend talent now, care and maintaining the legitimate rights and interests, to hold various undertakings in the service for weed science and technology workers and activities.

Constitution

See <http://wenku.baidu.com/view/2258c7b265ce050876321322.html>

Membership

Any individual or group who has to join our willingness to support the constitution, and in line with the members meeting can apply for membership; after approval by the executive council, they may become an individual member or group members in society.

Conditions of the membership

Individual members: Fairly research assistant, lecturer, agronomists, engineers more than technical position or title and a level of plant protection science and technology workers; high school graduate work in the plant protection technology for more than 3 years; though not graduated from high school, but work in the weed control technology for many years, have a certain work experience and academic level; get a master's degree or above; enthusiastic support the leading cadres to learn to work.

Group members: Related to this society of professional, has a number of science and technology team, and willing to participate in society related activities, support to work of scientific research, teaching, production and other enterprises, institutions, and academic society organizations established according to law.

Foreign members: In weed science, had higher achievements and influence the work of science and technology, for our friendship, willing to work with our contacts, exchanges and cooperation of foreign science and technology workers.

Current Office Bearers

A list of the current committee members of WSSC is available at: <http://www.wssc.org.cn/English/wsscmember/membersen.htm>

Post	Name	Email	Website/Link
Honorary President	Ze-Pu Zhang	ze_pu_zhang@126.com ze_pu_zhang@msn.com	http://www.wssc.org.cn/English/wsscmember/zhangzpen.htm
President	Chao-XianZhang	cxzhang@wssc.org.cn cxzhang@ippcaas.cn	http://www.wssc.org.cn/English/wsscmember/zhangcxen.htm
Deputy-President	Huan-MinWang	gaowangxh2@qq.com	http://www.wssc.org.cn/English/wsscmember/wanghmen.htm
	Zhao-XiangHui	hui_pp@sina.com	http://www.wssc.org.cn/English/wsscmember/huizxen.htm
	Han-WenNi	hanwenni@cau.edu.cn	http://www.wssc.org.cn/English/wsscmember/nihanwen.htm
	Gui-Biao Ye	yeguibiao@agri.gov.cn	
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	ShenQiang	wrl@njau.edu.cn	http://www.wssc.org.cn/English/wsscmember/qiangshengen.htm
Secretary General	Xiang-JuLi	xjli@ippcaas.cn	http://www.wssc.org.cn/English/wsscmember/lixiangjuen.htm
Deputy-Secretary general	Hong-JunZhang	hongjun-zh1975@163.com	
	Hong-JuanHuang	hjuhuang@ippcaas.cn	

Submitted by : Ze-Pu Zhang (Email: ze_pu_zhang@msn.com)



Indian Society of Weed Science

Indian Society of Weed Science (ISWS) was established in 1968 coinciding with the green revolution in the country. Dr. R.S. Choudhry of Varanasi (Uttar Pradesh) was the first President and Dr. M.K. Moolani of Hisar (Haryana) was the first Secretary of the Society. The Society started publishing its journal 'Indian Journal of Weed Science' from 1969. Initially the Headquarter of the Society was at Hisar which moved to Bangalore for nearly a decade (1980-1992). The Headquarter of the society was again shifted to Hisar and remained there till 2005. Following the establishment of National Research Centre for Weed Science (now named as Directorate of Weed Research) in 1989 at Jabalpur, the Headquarter of the Society was finally shifted to Jabalpur in 2006. The Society is registered under the Karnataka Societies Registration Act, 1960 with Registration No. SOR/BLU/DR/518/08-09, and renewed vide Registration No. SOR/BLU/DR/518/08-09 dated 17-12-2008.

Objectives

- To promote the knowledge of weed science and allied branches
- To encourage research in the scientific and practical aspects, in different disciplines of weed science
- To provide opportunity through periodical meetings and scientific conferences for personal contacts and discussions for the research workers in the field of weed science
- To publish periodically, scientific articles contributed by members and/or eminent scientists in the field of weed science in the country and abroad.

Constitution

See for details: www.isws.org.in

Membership

Scientists engaged in teaching/ research/ extension in weed science or related discipline are admitted as members after they pay the prescribed fee. They are entitled to receive the journal of the Society free of charge from the year from which subscription is paid. They have right to hold an office of the Society provided they have been members (ordinary or life members) for a minimum period of two years prior to the year of election.

Annual member: Students and scientists on payment of annual subscription can be enrolled as annual member for the calendar year in which subscription is paid. The annual members enjoy all the privileges of the member including journal for the subscribed year.

Life member: Scientists and students on payment of a sum equal to the value of 12 years annual subscription at the current rate can enrol themselves as life members. The life members enjoy all the privileges of the member. They are exempted from the payment of annual subscription. They are however, not entitled for back issues of the Journal of the Society published before enrolment.

Associate members: Persons who do not possess basic degree in agriculture or science shall be enrolled as Associate Members only on payment of sum equal to that charged as subscription from members. They shall enjoy all the privileges of the member except right to vote at meetings/ elections or to hold as Office-bearer.

Subsisting member: Institutions or organizations in India or in foreign country can be subsisting members. They are entitled to receive the Journals of the Society free of charge but do not enjoy voting right or rights to hold office of the Society.

Membership fees

Membership	India	Foreign
Individual (Annual)	₹ 500	US \$60
Individual (Life)	₹ 6000	US \$ 600
Sustaining Industries (Annual)	₹ 10000	
Sustaining Industries (Life)	₹ 40,000	
Institution libraries	₹ 5000	

Membership fee may also be paid by transferring or depositing the amount to Society account. Presently there are 953 members, including 895 life members from India, 23 life members from foreign countries, and 30 annual members.

Election of Office Bearers

The members of the Executive Council (President, Vice-President, Secretary, Joint Secretary, Treasurer) are elected by the secret ballot paper for a tenure of two calendar years. In the case of unavoidable delays in the elections the Executive Council will continue to function until new Executive Council takes over but in no case more than one year after the expiry of the term. Office bearers shall be from life members. No member will hold the same post of office for more than two consecutive terms. The Secretary and the Treasurer shall be persons staying at the HQ of the Society.

Publications

The ISWS brings out various publications including Indian Journal of Weed Science (quarterly), ISWS Newsletter (six monthly), Proceedings of Conferences, books, monographs etc. The Indian Journal of Weed Science is published continuously since 1969 and 45 volumes have been brought so far up to 2014. The Journal is available online at: www.indianjournals.com.

Editorial Board

The Executive Council appoints the Chief Editor and other members of the Editorial Board for tenure of two years.

Awards and Recognitions

To honour the members in recognition of their professional leadership, professional outstanding contributions and service to the ISWS, the provision of awards have been kept. The President in consultation of Executive Council appoints a committee comprising 2-3 eminent members for award finalization by inviting the biodata of all those being considered for these awards. The Secretary acts as a Member Secretary in this committee. The committee submits the

recommendations to the Executive Council. The members of the Executive Committee are not eligible to be considered for any award of the Society during their tenure. Following awards are conferred on a biennial basis:

ISWS Life Time Achievement Award: This award is given in recognition of the outstanding work done by a retired scientist in the field of weed science during his/her life time. So far, this award has been conferred upon the following scientists: Dr. R.K. Malik (2012-13), Dr. H.S. Gill (2011-2012), Dr. V.S. Rao (2010-11), Dr. S.K. Mukhopadhyay (2009-10), Dr. O.P. Gupta (2008-09), Dr. S. Sankaran (2007-08) and Dr. V.M. Bhan (2006-07).

ISWS Gold Medal: This award is given to life members in recognition of their outstanding professional leadership and contribution in weed science. So far 29 ISWS Gold medals have been conferred since 1993.

ISWS Fellows: Life members for their significant contribution in the field of weed science are considered for this honour. ISWS fellowship has been conferred upon 71 scientists.

ISWS Best Ph.D. Thesis Award: This award is for the students who worked on a weed problem for obtaining Ph.D. degree during preceding two years of ISWS biennial conference.

ISWS Young Scientist Award: This award is instituted to encourage young budding scientists (below 35 years) in the field of weed research.

ISWS Best Book Award on Weed Science: Books published during preceding two years of ISWS biennial conference are considered for this award.

ISWS student Travel: A student travel grant fund has been established with generous contributions from the ISWS members to encourage participation of Ph.D. students in the biennial conferences of ISWS and APWSS.

Conferences and Meetings

The Society organizes various national and international conferences, meetings, and brain storming sessions on emerging issues in weed science. It organized the 8th APWSS Conference at Bengaluru in 1981 and an International Symposium at HAU, Hissar in 1993. So far 16 biennial conferences have been organized. The details of various conferences organized in the last 2 decades are given below:

S.No.	Conference	Date	Venue	Theme
1.	International Symposium	18-20 November, 1993	HAU, Hisar	Integrated weed management for sustainable agriculture
2.	VI Biennial Conference	9-10 February, 1995	Annamalai university	-
3.	VII Biennial Conference	19-21 February, 1997	PAU, Ludhiana	-
4.	VIII Biennial Conference	5-7 February, 1999	BHU, Varanasi	-
5.	IX Biennial Conference	23-24 May, 2001	UAS, Bangalore	Eco-friendly weed management options for sustainable agriculture
6.	X Biennial Conference	12-14 March, 2003	GBPUAT, Pantnagar	-

7.	XI Biennial Conference	6-9 April, 2005	PAU, Ludhiana	-
8.	XII Biennial Conference	2-3 November, 2007	HAU, Hisar	New and emerging issues in weed science
9.	XIII Biennial Conference	5-7 February, 2008	BVC, Patna	Recent advances in weed research
10.	XIV Biennial Conference	25-26 February, 2010	IGKV, Raipur	Recent advances in weed science research
11.	National Symposium	21-22 August, 2010	NASC, New Delhi	Integrated weed management in the era of climate change
12.	XV Biennial Conference	19-20 April, 2012	KAU, Trissur	Weed threat to agriculture, biodiversity and environment
13.	XVI Biennial Conference	15-17 February, 2014	DWR, Jabalpur	Emerging challenges in weed management

Executive Committee (2015-16)

President	Dr. N.T. Yaduraju Former Director, ICAR-Directorate of Weed Research & National Coordinator, National Agricultural Innovation Project, ICAR Mobile: +91 7893982456; Email: nyaduraju@gmail.com
Vice President (Elect)	Dr. C. Chinnusamy Head, Department of Farm Management Tamil Nadu Agricultural University Coimbatore 625 104, (T.N.) Mobile : +91 9443721575; Email: chinnusamy@hotmail.com
Vice President (Co-opt)	Dr. Ramesh Kumar Singh Professor of Agronomy, Department of Agronomy, Institute of Agriculture Sciences, B.H.U., Varanasi 221 005 (Uttar Pradesh) Mobile: +91 9450533438; Email: rks1660bhu@gmail.com
Secretary	Dr. A.R. Sharma Director, ICAR-Directorate of Weed Research Jabalpur 482 004 (M.P.) Mobile: +91 9425807290; Email: sharma.ar@rediffmail.com
Joint Secretary (Elect)	Dr. P.S. Bodake Associate Professor of Agronomy, Agronomist (NARP) MPKV, Rahuri, Ahmednagar 413 722 (Maharashtra) Mobile: +91 9420413255; Email: prameghash@gmail.com
Joint Secretary (Co-opt)	Dr. M.S. Bhullar Senior Agronomist, Department of Agronomy Punjab Agricultural University, Ludhiana 141 004 (Punjab) Mobile: 9872811350; Email: bhullarms@pau.edu
Treasurer	Dr. Shobha Sondhia Senior Scientist (Organic Chemistry), ICAR-Directorate of Weed Research Jabalpur 482 004 (M.P.) Mobile: +91 9425464977; Email: shobhasondhia@yahoo.com
Chief Editor	Dr. Sushil Kumar Principal Scientist (Entomology), ICAR-Directorate of Weed Research Jabalpur 482 004 (M.P.) Mobile: +91 9425186747, Email: sknrcws@gmail.com

Submitted by : A.R. Sharma (Email: sharma.ar@rediffmail.com)



Weed Science Society of Indonesia

Historical Background

Weed Science Society of Indonesia (WSSI) was established in Bogor on 7 May, 1971. The first president of WSSI was Dr. Otto Soemarwotto, with the first chairman and secretary general being Dr. M. Soerjani. The WSSI has a permanent secretariat in SEAMEO BIOTROP, Bogor, while the address of the main secretariat follows that of the chairman's official working place or address. Right now the main secretariat of WSSI is located in the Department of Crop Science, Faculty of Agriculture, Padjadjaran University, Jatinangor Bandung, where the chairman resides and works.

See WSSI website: <http://www.higi.or.id>

Objectives

The objectives of the Society are:

Develop knowledge and weed science in Indonesia

Develop professionalism and foster ethical code of science

Enrich the insight of science and scientific fields of weeds for members and communities in need.

Grow and forge unity and creating familiarity among members of WSSI.

To contribute to the community, government agencies / private sector in terms of science and weed management technologies.

Activities

Weed Science Society of Indonesia has various activities, and these are carried out periodically:

Conduct research, training, internships and comparative study

Provide counselling and guidance to farmers in weed management and safe use of herbicides

Assist the government in regulatory policy and weed management in Indonesia

Develop and establish cooperation with the public, government and private institutions

Establish institutions and business units to support activities of the organization

Publish and disseminate books, journals and the latest research results about weed science

Organize conferences, seminars periodically, board meetings, members and other meetings.

Membership

Membership of the WSSI is open to all groups and individuals with an interest in all aspects of weed biology, ecology and control of weeds, herbicide, use of weeds for medicine and also waste

water treatment. The scope of relevant activity includes everything from pre-border evaluation of bio-security risks, through eradication of newly-established invaders, to the management and control of well-established weeds of pasture, arable and horticultural crops, and conservation of land.

These members include scientists, commercial company representatives, growers, foresters, and regional and local government staff. All are interested in sharing information and promoting weed science/management in Indonesia.

There are four modes of WSSI membership:

Ordinary membership is available to any person interested in the Society's objectives, who applies for it, and is approved by the Executive Committee.

Associate membership is available to students and retired members. Associate members are entitled to all the privileges that ordinary members receive.

Sustaining membership is available to corporate organisations whose objectives are similar to that of the Society.

Partner members usually come from agrochemical companies.

Currently the WSSI has 25 Regional Commissioners from all regions of Indonesia. Membership of WSSI is around 300 that come from various professions such as teachers, employees of the department of agriculture, plantation, forestry, researchers, farmers, employees of the agricultural chemicals as well as students from undergraduate and graduate programs in agriculture.

The chairman of WSSI is elected every three year in conjunction with national seminar. From 2009 until now, the chairman of WSSI was Prof. Dr. Denny Kurniadie

Publications

WSSI publishes the 'Journal of Tropical Weeds and Invasive Weeds' biannually and proceedings of each of the Conferences and training programmes. The Society works closely with the Ministry of Agriculture advising it policies related to herbicides. Its important contribution is in advising the faculties of agriculture and forestry while providing funds to the students for research on weed and invasive weeds plant species.

Events Organised

The WSSI conference is held every two years and serves as prime venue for the exchange of scientific information on all aspects of weed science. It organized its first Conference in Bogor in January, 1971. Oral presentations include invited speakers and summaries of papers published in the peer-reviewed journal, *Jurnal Gulma & Tumbuhan Invasif Tropika* and also proceedings. The conference also features a lively poster session. It also organizes conferences on conservation agriculture. WSSI has also carried out an International seminar many times and in year 2013 was a host for 24th APWSS Conference.

Awards and Recognitions

The WSSI usually makes monetary grants to students to carry out research in weed science. Other grants may be awarded to groups of students travelling together to encourage greater attendance at, and participation in, the conference by students with an interest in career of weed science.

Current Office Bearers

Chairman	Prof. Dr. Denny Kurniadie
Vice-Chairman	Dr. Dedi Widayat
Immediate Past Chairman	Dr. Samsuddin Koloj
Treasurer	Yayan Sumekar
Editor	Dr. Soekisman
Website Editor	Rio Yunanto

Contact address: Department of Crop Sciences,
Faculty of Agriculture, Padjadjaran University Jatinangor Bandung, Indonesia
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Website: <http://higi.or.id>

Submitted by : Denny Kurniadie (Email: denny.kurniadie@gmail.com)



Weed Science Society of Japan

Historical Background

Collaborating scientists from various fields of specialization founded "The Weed Society of Japan" in January 1962 in order to establish rational and effective weed management technology. The Society had been satisfactorily developing and was renamed into "Weed Science Society of Japan" (WSSJ) in April 1975. In the same year, WSSJ joined the Association of Japanese Agricultural Scientific Societies. WSSJ is also affiliated with the International Weed Science Society in 1977.

Objectives

WSSJ consists of people who play active roles in weed research from the viewpoints of principle and practical aspects. WSSJ aims at contributing knowledge and technology in weed management and technology, and in the prevention of damage due to weed infestation as well as in the utilization of weeds by providing the venue and platform for research presentation and information exchange.

Constitution

See <http://wssj.jp/about/kaisoku.html> (This is not in English, but in Japanese)

Membership

See http://wssj.jp/en/membership/membership_b.pdf

The society publishes "Weed Biology and Management" (WBM) journal in English. Online form of WBM, the English journal of WSSJ, is available for all WBM members. Book form of the English journal is delivered to the WBM members except for "online journal only" members. In addition, page charge in publication of papers for WBM is free up to the page limit for the given type of manuscript on condition that one of the authors has current WSSJ membership. Non-members are charged ¥5000 per printed page. For pages in excess of page limits, all the submitting authors will be billed ¥8000 per 1/2 printed page.

For WSSJ members in foreign country, "WBM member" and "WBM support/country member" are provided. The option "online journal only" is also provided to both members. WBM support region/country member is a social membership system for countries in the Asian-Pacific Weed Science Society Pacific region, namely China, Indonesia, Korea, Malaysia, Philippines, Sri Lanka, Taiwan, Thailand and Vietnam. The Region / Country representatives collect membership fee and send it to the WSSJ account. The Region/Country representatives are listed at "http://wssj.jp/en/membership/membership_d_2014.pdf". The lists of WBM support/country members in each country should be sent to the Secretary General of WSSJ annually. Researchers who belong to international institutes are not eligible to be WBM support region/country members.

Current membership: Total 643 including 47 WBM members and WBM support/country member.

Publications

Journals: Weed Biology and Management (in English), Journal of Weed Science and Technology (in Japanese)

Events Organized

Annual meeting and symposium are organised once a year therefore 8 working groups for creating awareness on weed science.

Awards and Recognitions

"Achievement Award", "Technology Award" and "Encouraging Award" are determined by selection committee based on the recommendation by WSSJ members. Best paper awards are determined by the editorial committee for English and Japanese journals. All awards are given in the annual meeting.

Regional Chapters

Five regional chapters: Hokkaido, Tohoku, Tokai Hokuriku, Kinki, Chugoku Shikoku

Two regional societies: Kanto, Kyushu

Current Office Bearers

President	Tohru Tominaga, Graduate School of Agriculture, Kyoto University
Vice President	Yasuhiro Yogo, National Institute for AgroEnvironmental Science
Vice President	Yasuo Morishima, Syngenta Japan K.K.
Secretary General	Akira Uchino, NARO Agricultural Research Center Email: office@wssj.jp

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Website: <http://wssj.jp/en/>

Submitted by : Tohru Tominaga (Email: tominaga@kais.kyoto-u.ac.jp)



Korean Society of Weed Science

Overview

Korean Society of Weed Science (KSWS) was established in 1981 and has active members of more than 1,000 cumulatively. As of 2015, active members are about 200 in academia, research institute, government, and industry. KSWS hosted 12th Asian-Pacific Weed Science Society Conference in Seoul in 1989. KSWS hosts two annual conferences in April and October. KSWS has published Korean Journal of Weed Science since its establishment in 1981 until 2012. The name of journal was changed to Weed & Turfgrass Science (WTS) since 2012.

Official Journal

Korean Journal of Weed Science: This journal had been the official journal of KSWS since foundation in 1981. It was published quarterly a year until September 2012 (Volume 32 issue 3), then the journal was succeeded by Weed & Turfgrass Science. All the previous publications are downloadable at <http://www.kwss.or.kr>.

Weed & Turfgrass Science: In 2012, Korean Society of Weed Science and The Turfgrass Society of Korea decided to merge the two official journals into Weed and Turfgrass Science (WTS). The journal publishes original research articles, notes, and review articles in Weed Science and Turfgrass Science. WTS is a quarterly journal and publishes novel, high-impact papers on the turfgrass breeding, physiology, pest and pesticide, herbicide, resistance, soil and fertilizer biochemistry, biological and physical processes affecting environmental changes in turfgrass and weed. Topics also include molecular and cellular biology, biochemistry, metabolism, developmental biology, ecology, taxonomy and systematics, genetics/genomics, fungal pathogen and disease and weed management, physiology, and industrial biotechnology using weed and turfgrass. The journal is an open access journal and submission guideline and peer review process etc are available and only through the journal website system (<http://www.weedturf.org>). The website consists of Journal information, e-Submission and View-FullText. The Journal information gives any information related to manuscript preparation and submission. Login is necessary for the e-Submission which is web based submission system. View-Full Text in the Journal website provides abstract, keyword, references, and PDF files of full papers. WTS welcomes submission of papers of international members and guests.

Conferences

Annual conference: Two annual conferences are regularly hosted by KSWS; Thursday and Friday in the fourth week of April and October. Usually on Thursday, Symposia or Plenary session is organized and on Friday, research papers (oral and poster) are presented.

Special event: KSWS hosted 12th Asian Pacific Weed Science Society conference in 1989 in Seoul and East Asian Weed Science Congress in 2011 in Jeju upon the society's 30th anniversary.

Contact Information

Website: <http://www.kwss.or.kr>

Board Members for 2015-2017

President	Dr. Suk-Jin Koo, Moghu Research Center Email: moghu@moghu.com
Vice President (s)	Dr. In-Yong Lee, Rural Development Administration (RDA) Email: leeinyong@korea.kr
	Dr. Songmun Kim, Kangwon National University Email: perfume@kangwon.ac.kr
	Dr. Se-Jong Kim, Gyeongsanbuk - do Agricultural Research and Extension Services Email: kimsejong@korea.kr
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	Dr. Kwang Ho Park, Korea National College of Agriculture and Fisheries Email: kh5008@korea.kr
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Submitted by : Kim Do-Soon (Email: dosoonkim@snu.ac.kr)



Malaysian Plant Protection Society

Historical Background

The Malaysian Plant Protection Society (MAPPS) was established in 1976 with the primary objectives of promoting and advancing the science and practice of Plant Protection in Malaysia. Since its inception, MAPPS has been active in fulfilling these objectives. Through numerous activities, MAPPS has contributed significantly in the transfer of pest management technologies. Membership of MAPPS is currently over 600, of whom 112 are life members. Several members are from overseas viz. Australia, Canada, Egypt, France, India, Indonesia, Japan, Nigeria, Pakistan, Philippines, Singapore, Taiwan, Thailand, United Kingdom and United States of America. More than 50% of the members are currently actively engaged in various aspects of plant protection research and implementation. The majority of the members belong to private agrochemical companies, followed closely by government research organizations, academic institutions and plantation industry.

In addition, MAPPS's sustaining associates are leading corporations and companies in the plant protection and agro-industry. These companies deal with a range of crop protection tools which include pesticides (including microbials), pest monitoring tools and plant growth enhancers.

MAPPS, being a professional society, is poised to participate in the development and implementation of IPM programmes in Malaysia. The Society's involvement in the drafting of the national IPM Policy by virtue of its membership in the Steering Committee bears testimony of its recognition by the relevant authorities as an important organization which could contribute towards plant protection.

Objectives

To promote and advance knowledge on all aspects of plant protection in Malaysia

To organise and arrange lectures, meetings, symposia, seminars, workshops for promotion of and exchange of views among members on plant protection at regional and international levels

To publish and communicate scientific knowledge on plant protection and related subjects in whatever form it deems necessary.

Since its formation, MAPPS has been extremely active in fulfilling these objectives.

Membership

Membership of the MAPPS is open to public with a degree holder in any agricultural field and anyone who is interested in plant protection industry. By joining MAPPS, you gain instant support from well-known society where the main goal of MAPPS is to advance the interests of the plant protection industry.

There are various categories of membership. These categories are life members, ordinary members and associate members. The criteria required for membership application entry to the society is one must be endorsed by the current members who still actively involved in MAPPS activities and event.

Ordinary membership is open to persons actively engaged in plant protection (proposed and seconded by members) with one of these basic qualifications:

- A basic degree in science or agriculture or equivalent
- A diploma in agriculture or equivalent with at least 5 years experience in plant protection, pesticide industry or plantation industry.

Recent Events Organized

- The 8th International Conference on Plant Protection in the Tropics (ICPPT) was held on 8-10 April, 2014 at Berjaya Times Square Hotel, Kuala Lumpur.
- A public lecture entitled "Working successfully with American Phytopathological Society (APS) journals" was held on 23 June, 2014
- MAPPS successfully organized a talk entitled "Natural Control of Apple Snail" delivered by Assoc. Prof. Dr. Sin-Chung Liao from Meiho University, Taiwan on 22 January, 2015.
- A seminar was organized of 12 March, 2015 on "Cultivation, genetic variation and nutraceutical status of Milky White Mushroom". The invited speaker was Prof. Dr. Md Nuhu Alam from Bangladesh.

Current Office Bearers

President	Dr. Abdul Shukor Juraimi, Professor
President-Elect	Dr. Hafidzi Mohd Noor, Associate Professor
Honorary Secretary	Dr. NurAzura Adam, Associate Professor
Assistant Honorary Secretary	Dr. Siti Izera Ismail
Honorary Treasurer	Dr. Wong Mui Yun, Associate Professor
Council Members	Dr. Siti Noor Hajjar Md Latip Dr. Mazidah Mat Mr. Meor Badli Shah Ahmad Rafie Dr. Latiffah Zakaria, Associate Professor

Secretariat: Mr. Razali Baki

Malaysian Plant Protection Society

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Submitted by : Nur Azura Adam (Email: nur_azura@upm.edu.my)



New Zealand Plant Protection Society

Historical Background

Weed science started strongly in this country with the establishment of New Zealand Weed Control Conference in 1948. Its domain was extended considerably in 1964 with inclusion of other plant protection disciplines and a name change to New Zealand Weed and Pest Control Society. With the increased contribution of subjects other than weed science and need to become more inclusive, its name was changed again in 1992 to the New Zealand Plant Protection Society. The Society holds an annual conference and publishes the conference proceedings, now in the form of an annual journal, 'New Zealand Plant Protection' since 2000. Another major contribution has been the publication of several excellent books on weeds, a list of which is available from <http://www.nzpps.org>.

Objectives

To pool and exchange information on the biology of weeds, invertebrate and vertebrate pests, pathogens and beneficial organisms and methods for modifying their effects.

To hold an annual conference and publish a scientific journal.

To administer trust funds for the furtherance of plant protection science, education and extension in New Zealand.

To affiliate with similar societies throughout the world.

Constitution

See <http://nzpps.org/info/rules.pdf>

Membership

Membership of the New Zealand Plant Protection Society is open to all groups and individuals with an interest in all aspects of biology, ecology and control of weeds, vertebrate and invertebrate pests, and pathogens and beneficial micro-organisms in agriculture, horticulture, forestry and natural ecosystems. The scope of relevant activity includes everything from pre-border evaluation of biosecurity risks, through eradication of newly-established invaders, to the management and control of well-established weeds, pests and diseases of pasture, arable and horticultural crops, and conservation land.

Members include scientists, commercial company representatives, growers, foresters, and regional and local government staff. All are interested in sharing information and promoting plant protection in New Zealand.

There are four modes in which persons can become members:

Ordinary membership is available to any person interested in the Society's objectives, who applies for it, and is approved by the Executive Committee.

Associate membership is available to students and retired members. Associate members are entitled to all the privileges that ordinary members receive.

Sustaining membership is available to Corporate organizations whose objectives are similar to that of the Society.

Life members are elected at the Annual General Meeting or Special General Meeting on the recommendation of the Executive Committee.

Currently the New Zealand Plant Protection Society has 336 members, which includes 268 Ordinary members, 37 Associate members, 21 Sustaining members and 10 Life members.

Publications

Journal: New Zealand Plant Protection is a peer-reviewed scientific journal publishing original research papers on all aspects of biology, ecology and management of weeds, vertebrate and invertebrate pests, and pathogens and beneficial micro-organisms in agriculture, horticulture, forestry and natural ecosystems. The journal has been published under various names since 1948. All back issues are available for free download at <http://nzpps.org/journal.php>.

Books: The New Zealand Plant Protection Society publishes a range of quality books on all aspects of plant protection science. Some books relevant to weeds include "An Illustrated Guide to Weed Seeds of New Zealand" (2012), "An Illustrated Guide to Common Grasses, Sedges and Rushes of New Zealand" (2012), "An Illustrated Guide to Common Weeds of New Zealand Third Edition" (2010) and "Managing Wilding Conifers in New Zealand: Present and Future" (2004). See <http://nzpps.org/books.php>.

Newsletter: The Society produces a biannual newsletter with relevant news and information for its members. Back issues are available as pdfs.

Pesticide resistance strategies: The Society produces and updates information on pesticide resistance issues within New Zealand and strategies for managing pesticide resistance. See <http://resistance.nzpps.org>.

Events Organised

Annual conference: The NZPPS conference is New Zealand's prime venue for the exchange of scientific information on all aspects of plant protection. Oral presentations include invited speakers and summaries of papers published in the peer-reviewed journal, New Zealand Plant Protection. The conference also features a lively poster session, with abstracts from posters also being published in the journal. For many years this conference has been held each year, starting on the second Tuesday in August and lasting for 3 days.

Symposia: Since 2000, the Society has run a one-day symposium in association with each of its Annual Conferences. The proceedings from many of these symposia are later published as books or abstracts, available from Society's website.

Professional development: On occasion the society provides opportunities for professional development for members and paying non-members. Often this consists of 1-2 hour training sessions held during the annual conference.

Awards and Recognitions

The publication and sale of books has been a great source of income for the New Zealand Plant Protection Society. This has allowed the Society to offer a number of awards and scholarships each year.

New Zealand Plant Protection Medal: This medal has been instituted by the New Zealand Plant Protection Society to honour those who have made exceptional contributions to plant protection in the widest sense. The medal is awarded by the Executive Committee based on outstanding services to plant protection, whether through research, education, implementation or leadership.

NZPPS Research Scholarship: The Society has established a trust fund to support the New Zealand Plant Protection Society Research Scholarship. This Scholarship is to encourage research in relevant disciplines (entomology, plant pathology, weed science, zoology, ecology, and plant protection sciences), on topics relating to control of pests, pathogens and/or weeds in primary production (pastoral and arable agriculture, horticulture, forestry) or the natural or human environments. Scholarship applications from students at a New Zealand university or students registered in other recognised New Zealand tertiary institutions are considered.

Dan Watkins Scholarship in Weed Science: Dan Watkins was a leading figure in the early weed science research arena within New Zealand. He was a founder of the New Zealand Weeds Conference (forerunner of the New Zealand Plant Protection Society), a member of the New Zealand National Research Council and was involved with other scientific bodies. This scholarship has been set up in memory of Dan Watkins and to recognise his contribution to weed science within New Zealand. The New Zealand Plant Protection Society administers this scholarship, which aims to encourage research into the biology and control of weeds in New Zealand.

Conference travel grants for students: The New Zealand Plant Protection Society usually makes monetary grants to students to assist them to attend and present papers at the annual New Zealand Plant Protection Conference. Grants are awarded, on a competitive basis, to individual students from whom research papers have been accepted for presentation at the Conference. Other grants may be awarded to groups of students travelling together to encourage greater attendance at, and participation in, the Conference by students with an interest in a career in plant protection.

Travel award for members: Travel Award funds amounting \$ 2,500 are to be used at the discretion of the successful applicant, including use for conference attendance, and/or training, either nationally or internationally.

Regional Chapters

A number of branches have operated for various lengths of time in different parts of the country during the days of New Zealand Weed and Pest Control Society. However, all have wound

up now as the New Zealand Plant Protection Society is operating efficiently at the national level. The small size of this country and the use of modern technologies has made this possible and effective.

Current Office Bearers (2015)

President	Ms. Lisa Jamieson, Plant & Food Research, Auckland
Vice President	Mr. Tim Herman, Pipfruit New Zealand, Hastings
Immediate Past President	Mr. George Follas, Etec Crop Solutions, Auckland
Secretary	Mrs. Jenny Taylor, NZ Plant Protection Society, Auckland
Treasurer	Dr. Toni Withers, Scion, Rotorua
Editor	Dr. Sue Zydenbos, AgResearch Limited, Christchurch
Website Editor	Dr. John Kean, AgResearch Ltd, Katikati
Committee Members	Mr. Graham Burnip, Ministry for Primary Industries, Christchurch; Dr. Trevor James, AgResearch, Hamilton; Dr. Eirian Jones, Lincoln University, Lincoln; Mr. Jason Smith, Horteye Ltd, Nelson; Dr. Kirstin Wurms, Plant & Food Research, Hamilton

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Submitted by : Anis Rahman (Email: aurorabaltazar17@yahoo.com) and Trevor James (Email: trevor.james@agresearch.co.nz)



Weed Science Society of Pakistan

Historical Background

Pakistan Weed Science Society (PWSS) was constituted in 1987, under the chairmanship of Dr. Rashid Ahmad Shad, the then Director Weed Science Program, National Agriculture Research Center (NARC), Islamabad through the support of CIMMYT (Dr. Peter Hobbs). Few veterans related to weed science discipline gathered and felt the need of establishing professional society with the name Pakistan Weed Science Society (PWSS). The pioneers of this concept were Prof. Dr. Mir Hatam from Agricultural University, Peshawar, Mr. Ghulam Sarwar Khan and Qayum Nawaz from Agricultural Research Institute, Tarnab, Peshawar, Mr. Sadrud Din Siddiqui and Ms. Shahida Khalid from National Agriculture Center, Islamabad, Late Prof. Dr. Saeed Ahmad and Prof. Dr. Zahid Ata Cheema from the University of Agriculture, Faisalabad, Dr. Asghar Jalees, Mr. Karim Bakhsh and Abdul Latif Shah from Ayub Agricultural Research Institute, Faisalabad; Mr. Muhammad Ummar Makhdoom from Agriculture Research Sindh and Mr. Abdul Sattar Larik from Agricultural Research Institute, Tando Jam, Sindh; and Mr Anis Ur Rehman from Balochistan. All of them unanimously supported the idea to establish PWSS with Dr. Rashid Ahmad Shad, as its pioneer President. He was subsequently succeeded by Late Prof. Dr. Saeed Ahmad and then Prof. Dr. Khan Bahadar Marwat.

The society regularly held conferences and started publishing the Pakistan Journal of Weed Science Research in 1988. More support was given to the activities through a coordinated Weed Science Program sponsored by USAID and as a result Pak-Indo-US Weed Control Workshop was held on March 11-14, 1987 at National Agriculture Research Center, Islamabad. With the creation of Weed Science Department at the University of Agriculture, Peshawar; being the first in the country, the head office of the Society as well as its Journal was shifted to Peshawar under the patronage of Prof Dr Khan Bahadar Marwat. The publication of the journal was revived on bi-annual basis in 2002, while presently it is published on quarterly basis as online and print versions. Meanwhile, the name of the society was changed as the Weed Science Society of Pakistan (WSSP) and it is recognized now by its present name, having its own website (wssp.org.pk), where volumes of Pakistan Journal Weed Science Research are available online for free download.

Objectives

The objective of the Society was to coordinate the efforts of weed scientists from all over Pakistan.

Increase crop yields in the country through economical and sustainable management of weeds

To synthesize and disseminate the literature for the benefit of stakeholders *viz.* farmers, extension specialists, researchers, teachers and students in Pakistan

To establish liaison with the international weed science societies for the uplift of weed science in the country

To promote the weed science discipline in the country through publishing journal, holding conferences and through personal contacts.

To help produce trained manpower in weed science

Constitution

The society was registered under the Societies Act of the Government, which has a requirement for registration that all rules and regulations regarding its governance and functioning be put together. So all modus operandi for membership, executive, election of executive, funding and operation were put together and turned in to the concerned authorities for approval of the society under the aforesaid Act. Likewise, as required under the prevailing rules for publishing the journal, a Declaration is to be sought from the Deputy Commissioner of the concerned District. Hence, the Declaration of the journal was officially sought from Deputy Commissioner, Peshawar. Likewise, website of the society *viz.* www.wssp.org.pk/ has also been launched having all activities of the society listed over there. This all was done during the tenure of the Prof. Khan Bahadar Marwat.

Membership

WSSP has various categories of membership like Student Members, Scientist/Faculty Members (Regular Members), Honorary Members, Life Members and Corporate Members. The membership fees for regular members are Rs. 300 annually, whereas for Student Members it is Rs. 100 annually. The Life membership fees is Rs. 3000, whereas the honorary membership is conferred to distinguished scholars in weed science. The privileges with the membership are inclusion in the mailing list of the society for news, conference announcements and discount in the conference registrations. The corporate member, if any is entitled to publish their advertisements in the Pakistan Journal of Weed Science Research. The Society has its own bank account and all the proceeds are deposited into this account. All the transactions in the account are recorded. Current membership of the society is 30 student members and 100 regular members (including 35 life members).

Publications

WSSP publishes Pakistan Journal Weed Science Research on quarterly basis. In addition to that the society has published Conference Abstracts of 6 conferences and Proceedings of two conferences. The society has also published the Proceedings of 22nd and 23rd APWSS conferences, held at Lahore, Pakistan and Cairns, Australia, in its journal.

Events Organized

The Society has been very active and successfully organized 22nd APWSS Conference, during 2010 in Lahore, Pakistan. WSSP has so far organized 12 national and 5 international

conferences at various venues in Pakistan. Apart from conferences, the society has been organizing wild flower competitions among the students to generate awareness among the students about weeds. Three top ranking collections were awarded prizes by the society. Subject to availability of funds the society has been awarding merit scholarships to undergraduate students specializing in weed science discipline.

Awards and Recognitions

WSSP has so far awarded Life Time achievement awards to Dr. Rashid Ahmad Shad, Prof. Dr. Khan Bahadar Marwat and Prof. Dr. Gul Hassan for their services to the cause of weed science in Pakistan and Honorary Membership to Dr. Rashid Ahmad Shad, Prof. Dr. Mir Hatam and Late Prof. Dr. Mohammad Saeed. The awards are extended in the conferences of the society through the consensus of the members.

Regional Chapters

WSSP has regional chapters in all 4 provinces, Federal Capital Islamabad and Azad Jammu and Kashmir. The provincial headquarters of these chapters are at Lahore, Tandojam, Peshawar and Quetta, respectively, whereas the Federal chapter is at Islamabad and the Azad Jammu and Kashmir at RawlaKot.

Submitted by : Khan Bahadur Marwat (Email: bkmarwat@yahoo.com)



Weed Science Society of the Philippines

History

The Weed Science Society of the Philippines (WSSP) was formed on 6 September, 1968 by individuals who were interested in the study and management of weeds and who recognized the increasing problems posed by weeds in agricultural crops in the country. Its formal proclamation as a scientific professional organization was made during the first national WSSP meeting on 13 December, 1968 held at the Sulo Restaurant in Manila. On 23 October, 1973, its incorporation as a non-stock, non-profit organization was approved by the Securities and Exchange Commission (SEC) of the Philippines. WSSP membership is over 300 from all over the country. There are some international members from 25 countries. The members are involved in individual and collective efforts in controlling weeds in agricultural crops, non-crop areas, pastures and rangelands, forests and aquatic areas to make agriculture more productive, recreational areas cleaner and more attractive, and industrial sites and aquatic areas free of weeds. WSSP is an affiliate member of the Pest Management Council of the Philippines (PMCP), the Asian-Pacific Weed Science Society (APWSS), and the International Weed Science Society (IWSS). It also maintains close liaison with other crop protection organizations in the country, with other weed science organizations in the Asian-Pacific region and other parts of the world, and with other professional or scientific organizations having related interests.

Objectives

The major objectives of WSSP are to:

- Encourage and promote the development of scientific knowledge concerning weeds and their control
- Foster high standards of weed science education and research, and encourage its acceptance as a field of training
- Promote the publication and dissemination of knowledge gained on weeds and their control
- Cooperate with other organizations that have similar or related objectives, and
- Advise the national government, upon request, on matters of weed science and related areas of plant protection.

Membership

Any person, organization, or association in the Philippines and in other countries concerned with weeds and their control and shares genuine interest in the promotion of weed science is eligible for membership in the Society. Every member is entitled to vote, to hold office, attend or present papers during annual meetings, publish papers in official WSSP publications,

and receive the Philippine Journal of Weed Science and the WSSP Newsletter free of charge and other publications of the Society at reduced prices. There are four membership categories: Regular, Life, Sustaining, and Student members.

Organization and Operation

Eleven members of the Board of Directors are elected annually by the members of the Society. The Directors elect among themselves the Officers and Chairmen of Standing Committees. The officers of the Board of Directors include: President, Vice-President, Secretary, Treasurer, Business Manager, and an Editor. They have a one-year term. Committees are organized to help run the activities of the Society. There are currently seven standing committees: Program, Membership, Election, Publication, Awards, Scholarship, and Funds for Weed Science. Three regional representatives (one each for Luzon, Visayas and Mindanao) are appointed by the Board of Directors to help carry out Society activities and facilitate faster communication among members from various parts of the country.

Programs and Activities

Conferences

WSSP organizes and co-sponsors scientific meetings and conferences to discuss and evaluate recent advances in the field of weed science and plant protection in the country and internationally. Its annual conference and meeting is held every year during the first week of May in conjunction with the annual conference of the Pest Management Council of the Philippines, Inc. (PMCP).

WSSP was organizer and host to three conferences of the Asian-Pacific Weed Science Society:

2nd Conference held on 16-20 June, 1969 at the International Rice Research Institute in Los Banos, Laguna, Philippines

9th Conference held on 28 November – 2 December, 1983 at the Philippine Plaza Hotel in Manila, Philippines

19th Conference held on 16-21 March, 2003 at the Philippine Plaza Hotel in Manila, Philippines

Through PMCP, WSSP was also involved in organizing and hosting of the International Congress of Plant Protection held in October, 1987 at the Philippine International Convention Center (PICC) and the Philippine Plaza Hotel.

Publications

Philippine Journal of Weed Science is the official journal of WSSP, published at least once a year. It was first published in 1974 and contains papers dealing with original research on all aspects of weed science. Review papers and those presented at WSSP scientific meetings not necessarily on research are also considered for publication. Since 2010, only special issues are published from time to time.

The society has published six books that contains information on weed management systems in major crops in the Philippines; rice, corn, field legumes, vegetable crops, sugarcane, cotton, pineapple, root crops intended for use by researchers, teachers, students, extension workers and growers in tropical agriculture.

Proceedings

WSSP has co-sponsored publications of the proceedings of PMCP conferences from 1970 to 2014. It has also co-sponsored publication of proceedings of the 2nd (1969), the 9th (1983), and the 19th (2003) Conference of the APWSS. The 1983 Proceedings has three issues, Proceedings, Proceedings Supplement, and APWSS Symposium on Cropping Systems. The 2003 Proceedings has two volumes.

Newsletter is an official publication of WSSP and is published two or three times a year since 1972, however, beginning 2010, only special issues are published from time to time. It is sent free to all active WSSP members and the PJWS subscribers. It features news of Society activities, items of general interest, theses and dissertation abstracts, recommendations for improved weed management practices, new chemicals, latest research developments, current publications, and a calendar of weed science events. Members are encouraged to send items for inclusion in the Newsletter.

Scholarship Grants

Undergraduate Scholarship

The Society has established a WSSP Scholarship Grant to provide financial assistance to deserving undergraduate students who wish to major in weed science. Several students at the University of the Philippines Los Banos have graduated with B.S. Agriculture degree through the WSSP Scholarship Grant since 1976. The scholarship at Visayas State University started in 1983 and the Central Luzon State University and University of Southern Mindanao grants started in 1986.

B.L. Mercado Graduate Scholarship

Established in 1990, in honor of Dr. Beatriz L. Mercado, in recognition of her outstanding achievement and exemplary performance in weed science. Dr. Mercado is a recognized expert in weed science in the Philippines and the Asian-Pacific region. She has earned the distinction as one of the architects of weed science in the country. The scholarship is awarded to students who intend to pursue graduate work in weed science at the University of the Philippines Los Banos.

Awards

PMCP Pest Management Award

This award is given to a member of any of the five member societies of the PMCP (WSSP, PAE, PPS, PCAP, Croplife, CPAP) for outstanding achievement in teaching, research, or extension in pest management. It was initiated in 1974 and is the highest award given by PMCP. The award consists of a plaque and a cash prize. Eleven members of the WSSP have been given this award.

PMCP Achievement Award

This award is given to individuals, institutions or organizations which have made significant contributions to enhancement or promotion of pest management. It was initiated in 1985 and consists of a plaque and cash prize. Three WSSP members have been given this award.

Marcos R. Vega Award in Weed Science

Established in 1974, this award was named after Dr. Marcos R. Vega as a fitting recognition of his scholarly performance and dynamic leadership in advancing the frontiers of weed science in the Philippines and the Asian-Pacific region. It is presented to WSSP members with outstanding achievements in weed science in the Philippines and the Asian-Pacific region. The award consists of a plaque and a cash prize. About 40 WSSP members have been given this award since its initiation in 1974.

Best Paper Award in Weed Science

This award is given to outstanding papers presented at the WSSP scientific sessions during the PMCP conference. Selection is done by a Best Paper Award Committee and is based on content and organization of the paper and on oral presentation. The award consists of a plaque and cash prize.

Best Undergraduate Thesis Award

This award is given to students in all agricultural schools in the Philippines. Selection is done by the WSSP Best Undergraduate Thesis Awards Committee. The award consists of a plaque and cash prize for the student and a plaque for the thesis advisor.

Library Project

WSSP collects books, journals, proceedings, and other literature pertaining to weeds and their management. These are kept at the Weed Science Laboratory of the Crop Protection Cluster, College of Agriculture, University of the Philippines, Los Banos.

Activities related to APWSS

WSSP members who served as officers of APWSS

President	Marcos R. Vega (1967-1969) (the first APWSS President) Beatriz L. Mercado (1981-1983) Aurora M. Baltazar (2001-2003)
Secretary	Beatriz L. Mercado (1983-1987) Aurora M. Baltazar (1987-1991) Analisa M. Ramirez (2001-2003)
Treasurer	Keith Moody (1983-1991)
Newsletter Editor	Beatriz L. Mercado (1983-1987) Aurora M. Baltazar (1987-1989; 1991-1993; 1997-2001)
WSSP members received APWSS Best Paper Awards in 1983, 1987, 1989 and 2001.	

Office Bearers (2015-2016)

President	Dr. Gil L. Magsino, Crop Protection Cluster, University of the Philippines, Los Banos
Vice- President	Mr. Arturo A. Alejar Jr., Stockton-Agrimor Company
Secretary	Ms. Nina Gracel B. Dimaano, Crop Protection Cluster, UPLB
Treasurer	Ms. Romalene T. Limpiada, Crops and Environmental Sciences Division, IRRI
Business Manager	Mr. Jose J. Cruz, Kemistar Corporation
PRO	Mr. Aristeo Filipino, Summit Agro International Ltd.
Auditor	Mr. Joel D. Janiya, Crop and Environmental Sciences Division, IRRI
Ex-Officio	Mr. Armand M. Bantoc, Sumitomo Chemicals (Asia-Pacific)
Members of the Board	Dr. Aurora M. Baltazar, Crop Protection Cluster, University of the Philippines Los Banos Ms. Priscilla M. Barcial, Crop Protection Cluster, University of the Philippines Los Banos Mr. Edwin C. Martin, Crop Protection Division, Philippine Rice Research Institute Ms. Leylani M. Juliano, Crop Protection Division, Philippine Rice Research Institute

Submitted by : Aurora Baltazar (Email: aurorabaltazar17@yahoo.com)

Weed Science Society of the Republic of China, Taiwan

Historical Background

The Weed Science Society of the Republic of China (WSSROC, Taiwan) was founded in 1980 by Dr. Yu-Lin Chan, the Dean of Department of Agricultural Chemistry, National Taiwan University. In the 80' the development of herbicides was blooming and herbicides played an important role in the agriculture of Taiwan. The Society was established to encourage the domestic and international participators to promote the development of weed science.

Objectives

The objectives of the Society are:

- To promote the research on weed and its control
- To hold conferences and seminars of weed science
- To pool the domestic and international book reference of weed science for research, education and agricultural study
- To publish the scientific journals
- To affiliate with similar weed societies throughout the world
- To manage other activities related to weed science.

Constitution

See <http://wssroc.agron.ntu.edu.tw/Default.htm>

Membership

Membership of WSSROC is open to all groups and individuals with an interest in all aspects of weed science. Members include scientists, commercial company representatives and government staff. All are interested in sharing information and promoting weed science in Taiwan.

In total, there are 236 members under 4 modes of membership: (i) Ordinary membership (159), (ii) Permanent membership (47), (iii) Student membership (20), (iv) Group membership (10).

Publications

The Weed Science Bulletin is an official publication of the WSSROC, Taiwan. It is published twice a year. Editorial Board is represented by Dr. Ching-Yuh Wang, Editor in Chief, Department of Agronomy, National Chung-Hsing University, Taichung, Taiwan. All back issues are available for free download at: <http://wssroc.agron.ntu.edu.tw/>.

The Society also publishes an electronic newsletter.

Events Organized

The Society organizes annual meeting usually at the end of each year

The Society organizes symposia occasionally.

Current Office Bearers (2015)

President	Mr. Michael Chang, Vice General Manager, Lih-Nung Chemical Co., Ltd. Yunlin
Immediate past president	Dr. Yeong-Jene Chiang, Taiwan Agriculture Chemicals and Toxic Substances Research Institute, COA. (TACTRI), Taichung
Secretary	Dr. Chin-Jin Hou, Associate Professor, Department of Agronomy, National Chiayi University, Chiayi
Treasurer	Jin-I Liao, Lih-Nung Chemicals Co., Ltd., Yunlin
Editor	Dr. Ching-Yuh Wang, Professor, Department of Agronomy, National Chung-Hsing University, Taichung
Website Editor	Rebecca Dai, General Manager, AG168 Co., Ltd., Miaoli
Committee Members	<p>Dr. Yeong-Jene Chiang, TACTRI, Taichung</p> <p>Dr. Ching-Hsiag Hsieh, Department of Plant Industry, National Pingtung University of Science and Technology, Pingtung</p> <p>Dr. Wen-Dar Huang, Associate Professor, Department of Agronomy, National Taiwan University, Taipei</p> <p>Dr. Bo-Jein Kuo, Professor, Department of Agronomy, National Chung-Hsing University, Taichung</p> <p>Dr. Chiou-Ing, Yuan, TACTRI, Taichung</p> <p>Dr. Chwen-Ming Yang, Taiwan Agriculture Research Institute, Taichung</p> <p>Dr. Chih-Sheng Sheu, Taichung District Agricultural Research and Extension Station, Changhua</p> <p>Dr. Chih-Wen Wu, Kaohsiung District Agricultural Research and Extension Station, Kaohsiung</p> <p>Dr. Jui-Hung Yen, Department of Chemistry, National Taiwan University, Taipei</p> <p>Dr. Shun-Cheng Wang, Director, Office of Industry-Academia Collaboration Professor, Department of Environmental Engineering and Management Chaoyang, University of Technology, Taichung</p>

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Submitted by : Wen-Dar Huang (Email: wendar@ntu.edu.tw)



Weed Science Society of Thailand

Weed Science Society of Thailand (WSST) was established in 1971. It is a non-profit organization. To date, 332 life time memberships of WSST are in both public and private sectors. President of WSST will be voted by the members every two years. Its objective is to be a center of the information and knowledge in weed science to the members and public. Thailand has a strong agricultural sector, with weed management playing a significant role in the country's crop production. Local weed scientists and agronomists work in the public sector (Rice Department, Institutes of the Department of Agriculture dealing with various field crops, horticulture, etc.), the private sector (local and multinationals) and universities. Linkages with neighboring countries are provided by important emerging weed problems in common crops such as rice, maize and cassava, as well increasing integration in the Association of Southeast Asian Nations (ASEAN).

WSST has strong relationships with the Entomological Society of Thailand, the Plant Pathology Society of Thailand, the Thai Crop Protection Association, the Thai Agri-business Society, and the Thai Agricultural Engineering Society. All these societies join WSST in taking turns to host biennial National Plant Protection Conference. WSST hosted two National Plant Protection Conferences (3rd and 8th). Further, the WSST is credited with successfully conducting five international weed science conferences. These include the 10th Asian-Pacific Weed Science Society Conference (in Chiang Mai) in 1985; the 1st Tropical Weed Science Conference (in Phuket) in 1988; the 2nd Tropical Weed Science Conference (in Songkla) in 1990; 17th Asian-Pacific Weed Science Society Conference (in Bangkok) in 1999; and the 4th Tropical Weed Science Conference (in Chiang Mai) in 2013. These were attended by 250 scientists from Australia, China, Ethiopia, Germany, India, Indonesia, Iran, Japan, Korea, Malaysia, Pakistan, Singapur, USA and Vietnam.

Office bearers of the WSST since inception and the activities organized are given in the following table.

Period	President	Activities
1977	Dr. Prachoen Kanchanomai	Initiated weed control methods for pre-germinated wet seeded rice cultivation resulting in the end of transplanting rice cultivation in irrigation area of Central Plain of Thailand.
1981-1987	Dr. Umporn Suwannamek Lecturer of Weed Science in Agronomy Department in Kasetsart University	Heavy infestation of giant mimosa (<i>Mimosa pigra</i> L.) was present in the north of Thailand. WSST colla borated with Department of Agriculture, Royal Irrigation Department and Department of Agricultural Extension had worked together to eradicate giant mimosa in Kew Lom Dam, Lampang province and non agricultural land in Chiang Mai. In 1984, the 1 st Tropical Weed Science Conference was held by WSST in Phuket, Thailand. In 1985, the 10 th Asian-Pacific Weed Science Society Conference was held by WSST in Chiang Mai, Thailand.

		In 1986, the 2 nd Tropical Weed Science Conference was hosted by WSST in Songkla, Thailand.
1988-1990	Mr. Visut Chandarangs, Director of Botany and Weed Science Division, Department of Agriculture	No activity of WSST was recorded in his period.
1991-1995	Mr. Visut Chandarangs Chief of Weed Science Group in Botany and Weed Science Division, Department of Agriculture	No activity of WSST was recorded in his period.
1996-2000	Prof. Dr. Rungsit Suwanketnikom Lecturer of Weed Science in Agronomy Department Kasetsart University	In 1999, Thailand hosted the 17 th Asian-Pacific Weed Science Society Conference in Bangkok, Thailand.
2001-2006	Dr. Kleopan Suwannarak Chief of Weed Science Group in Botany and Weed Science Division, Department of Agriculture	She organized a national seminar on "Paraquat and Environment" in 2002 and the 8 th National Plant Protection Conference in Chiang Mai in 2005.
2007-2008	Mr. Tawee Saengthong Chief of Weed Science Group in Botany and Weed Science Division, Department of Agriculture	He organized a special seminar on "Herbicide Resistant Weeds" and Prof. Steve Powles from Western Australia University was invited as a keynote speaker.
2009-2010	Dr. Sombat Chinawong Dean of Faculty of Agriculture, Kasetsart University and Vice Chancellor Kasetsart University at Kampaengsaen Campus	In 2007, WSST and FAO organized a Regional Workshop on Integrated Management of Weedy Rice. A total of 30 participants were from Asia and USA.
2011-present	Dr. Chanya Maneechote Senior Expert in Weed Science in Department of Agriculture, Ministry of Agriculture and Co-operatives	In 2011, a training course on Botanical Identification of Weeds for 100 members of WSST. In 2012, a seminar on "Biopesticides" presented by Prof. Michael braverman from Rutgers University, USA. In 2013, WSST hosted the 4 th Tropical weed Science Conference in Chiang Mai. More than 300 participants from 12 countries (Australia, Bangladesh, China, Ethiopia, India, Japan, Korea, Malaysia, Sri Lanka, Singapore, USA and Thailand) attended the conference.

		<p>In 2014, WSST, with collaboration with Crop Life Asia, held an international seminar on “Guidelines of herbicide registration in minor crops in Thailand” at Amari Airport Hotel, Bangkok.</p> <p>In 2014, WSST published a number of 30,000 poster on “Herbicide Modes of Action in Rice” for farmers and private sectors in Thailand.</p> <p>In 2015, WSST is a host of the 12th National Plant Protection Conference during 2022 October 2015 at Dusit Island Resort Hotel in Chiang Rai.</p> <p>In 2020, WSST bids for the host of the 8th International Weed Science Congress.</p>
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Current Office Bearers

President : Dr. Chanya Maneechote, Department of Agriculture

Secretary : Dr. Sarawut Rungmaekarat, Kasetsart University

Treasurer : Mr. Sirichai Sathuwicharn, Department of Agriculture

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Weed Science Society of Israel

The Weed Science Society of Israel (WSSI) was founded as a voluntary non-profit association in 1964 to disseminate and preserve the knowledge on weeds and their management. The Society encompasses all those who are interested or involved in identification, research and management of weeds in Israel. The society promotes young scientists in weed science, members of society's board and other activities.

Dr. Cohen Gideon was the first president of the Society, followed by Schulberg Amos (1968), Horowitch Menashe (1968-1970), Lifshitz Nachum (1970-1973), Shoham Chaim (1973-1976), Nir Aryeh (1976-1979), Koren Ephraim (1979-1981), Kleifeld Yeshayahu (1981), Ernshtein Zeev (1981-1984), Rubin Baruch (1984-1987), Joel Daniel (1987-1990), Gressel Jonathan (1990-1992), Yaacoby Tuvia (1992-1994), Ohali Yuval (1994-1996), Nir Aryeh (1996-1998), Yaacoby Tuvia (1998-2001), Benyamini Yuval (2001-2003), Sibony Moshe (2003-2005), Hershenhorn Joseph (2005-2007), Eizenberg Hanan (2007-2009), Zahavi Erez (2009-2011) and Goldwasser Yaakov (2011-2013).

WSSI holds conferences, field days and several events for members and farmers once or twice a year. Today WSSI has 411 registered members. It celebrated 50 years of its existence last year. WSSI is a members of the International Weed Science Society, while members are very active in the IUPAC, European Weed Research Society (EWRS) and Weed Science Society of America (WSSA).

Main activities include a biannual professional meeting, several more specific conferences once or twice a year; field days once or twice a year. The society is a member of the International Weed Science Society. The society promotes B.Sc. and M.Sc. students in the field of weed science.

Recent Activities

Year	Activity
2011	
17 January	The 21 st Conference of the Weed Science Society of Israel. The Faculty of Agriculture, The Hebrew University of Jerusalem, Rehovot
2 March	Field day in the South (Beit Kama to Zikim)
16 May	Field day in the North (Beit Shean and Jizrael Valleys)
20 September	Half day conference on Dodder (<i>Cuscuta spp.</i>) and Nutsedge (<i>Cyperus spp.</i>). Southern Farm Growers Organization, Masmia
31 October	Half day conference on Dodder (<i>Cuscuta spp.</i>) and Nutsedge (<i>Cyperus spp.</i>). The Ministry of Agriculture and Rural Development, Northern District, Ein Harod
2012	
1 January	Conference on broomrape (<i>Orobancha spp.</i> and <i>Phelipanche spp.</i>) in memory of the late Dr. Reuven Jacobsohn. The Ministry of Agriculture and Rural Development, Beit Dagan
27 March	Field day in the South (Yesodot to Gilat)
23 May	Field day in the North (Beit Shean and Jizrael Valleys)
2013	
5 February	The 22 nd Conference of the Weed Science Society of Israel. The Faculty of Agriculture, The Hebrew University of Jerusalem, Rehovot
1 July	Field day in the Jizrael Valley
2 September	Conference and gathering to celebrate the retirement of Prof. Baruch Rubin. The Faculty of Agriculture, The Hebrew University of Jerusalem, Rehovot

Publications

The Society publishes a monthly magazine ("Aley Esev") and it is electronically distributed to members. This magazine includes articles on new weeds and weed control strategies besides news on Society's activities.

Current Board Members

President	Graph Shaul
Vice President and Treasurer	Evgenia Dor
Secretary	Mutzrafi Maor
Web -site coordinator	Paporisch Amit
Honor president	Prof. Baruch Rubin

Contact: Email: weedsceinceil@gmail.com

Weed Science Society of Sri Lanka

Weed Science Society of Sri Lanka (WSSSL) was established in 1990 and played a vital role in education and training of general public, including farming community on issues related to weed science. The "1000-Farmer Training Programme" conducted by WSSSL became popular during the 1992 as it addressed the safety and effective use of pesticides. However, in the early 21st century, the Sri Lanka Council for Agricultural Research Policy (SLCARP) sponsored a Plant Protection Association of Sri Lanka (PPASL), which co-opted the WSSSL (without dissolving the society). The 21st Asian-Pacific Weed Science Society Conference was held in Sri Lanka under the patronage of PPASL and National Plant Protection Committee (NPPC).

Submitted by: Buddhi Marambe (Email: bmarambe@yahoo.com)



Iranian Weed Science Society

Weed research in Iran does not have a very long history. In the 1950s, weeds that infest various crop fields were identified, classified and published. Since then applied research in weed science was being conducted by the Plant Protection Institute, the main organization responsible for weed research in Iran.

Iranian Society of Weed Science actively participates in the Iranian Congress of Plant Protection held every two years. The Society is supported financially by Ministry of Jihad-e-Agriculture, Ministry of Science and Technology and some private companies as well as by its members. Currently, it has over 145 regular members holding M.Sc. and Ph.D. degrees in agriculture or related fields besides 72 members with B.Sc. degree and students in agriculture. The Society currently publishes the biannual "Iranian Journal of Weed Science" in Farsi and English.

Submitted by: Eskander Zand (Email: eszand@yahoo.com)