



IAPPS NEWSLETTER

Number VI September, 2000

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INSECT TOXICOLOGY 2000 CONFERENCE

The Insect Toxicology 2000 Conference was held July 17-19 at the Clark Kerr Campus of the University of California at Berkeley. The conference, which emphasized insects in a toxic environment, had 113 participants from 12 countries with Japan contributing the major foreign delegation. The scientific program featured 34 oral presentations and 18 posters. A major theme of most research was understanding the molecular mode of action for insecticides at the voltage-gated sodium channel, nicotinic acetylcholine receptor and GABA-gated chloride channel. Other topics presented included insect resistance to insecticides, ecdysone agonists, the insect cuticle as a vulnerable site, insecticidal natural products, and alternatives to chemical control. The conference concluded with a discussion of the future of insect toxicology as a discipline.

INTERNATIONAL CONGRESS OF ENTOMOLOGY

The XXI International Congress of Entomology took place in Iguassu Falls, Brazil, August 20 - 26, 2000. The meeting was co-convened with the XVIII Brazilian Congress of Entomology, and was a joint promotion of Sociedade Entomologica do Brasil and Embrapa/Soja. There were over 4,000 participants from 72 countries, and about 1,000 speakers, presenting 265 symposia, in 24 scientific sessions, covering topics on agricultural and forested lands, traditional and sustainable agriculture, and all disciplines of entomology (insects and mites), including recent advances in incorporating computer science technologies. A television Talk Show, hosted by Décio Gazzoni, the President of the Congress, featured interviews with plenary speakers. Cultural highlights included tours to the falls and the surrounding subtropical rain forest, and several cultural events, including a "steer party," which had its origin in northeast Brazil, and a dance production that traced the history of Brazil.

One session, "Ecology of Pesticides, Resistance and Insect-tolerant Transgenic Crops," addressed new insecticidal chemistries, particularly toxicology and mode of action, the mechanisms, genetics, evolution, and management of insect resistance, pesticides and ecotoxicology, botanical insecticides, and the options and impact of transgenic crops. Another on "Integrated Pest Management" focused on area-wide projects, particularly those for management of codling moth, silverleaf whitefly, and pests of grapes, citrus, rice, and tropical agriculture. A third on "Urban and Stored Product Entomology", had presentations on trapping, the physiology of stored product insects, insect growth regulators, juvenoids, and hormones as insecticides, fumigation in controlled atmospheres, and integrated pest management, including presentations on termites, cockroaches, and other household and structural pests.

John Lawton was the featured speaker, presenting "Entomologists and the Conservation of Biodiversity," with 17 additional plenary lectures given. A special session to explore potential fruit fly research cooperation between Brazil/Embrapa and USDA/Agricultural Research Service was organized by Miguel Borges (Embrapa). Panel participants included Borges and Mauricio Lopes (Embrapa), Aldo Malavasi (Brazil), and Ken Vick (USA/ARS). Presentations spanned all areas of fruit fly research and management. One area of potential collaboration that was discussed in depth was the sequencing the Mediterranean fruit fly (Medfly) genome. A document will record the discussion, and future meetings will be convened to continue the dialogue.

REPORT RELEASED, "THE FUTURE ROLE OF PESTICIDES IN

U.S. AGRICULTURE"

The U.S. National Academies' National Research Council recently released a report indicating chemical pesticides will continue to play a significant role in U.S. agriculture, not only because the environmental compatibility of pesticides is increasing, but also because effective and affordable alternatives are not universally available. The report, resulting from a study funded by the U.S. Department of Agriculture and the U.S. Environmental Protection Agency, concluded that more government-sponsored research and incentives are needed to spur the development and use of alternative pesticides or new chemical pesticides that pose fewer risks to humans and the environment, and that are not too costly to use. Chemical pesticides should remain part of pest-management tactics that draw on a variety of approaches. For additional information and online access to the report, see <http://www.nap.edu/books/0309065267/html/>

MEETING ANNOUNCEMENT INTERNATIONAL FUNGICIDE SYMPOSIUM

The 13th International Reinhardsbrunn Symposium on Modern Fungicides and Antifungal Compounds will be held May 14 - 18, 2001. It is supported by the German Phytomedical Society and the British Crop Protection Council. This is the latest in a series of symposia, established by Professor Horst Lyr in 1962, that focus on recent research on the biological and biochemical properties of modern fungicides and other plant-disease-control agents, in relation to their discovery, development and effectiveness of use in agriculture.

Topics will include mechanisms of action and selectivity, biochemical and genetic aspects of the development of resistance in target organisms, induced disease resistance in plants, use of molecular diagnostics in disease control, and methods of discovery of new anti-fungal compounds. Questions of food quality, especially mycotoxin contamination, will also be considered. There will be invited lectures and also offered oral and poster contributions.

This 13th symposium will be held in a hotel at Friedrichroda in SE Germany. Past Reinhardsbrunn symposia have been highly informative, with much opportunity for discussion between participants, and all people active in, or with an interest in, research on fungicides and related topics, are encouraged to attend. Enquiries should be made to the local organiser:

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MEETING ANNOUNCEMENT 10TH INTERNATIONAL CONGRESS ON THE CHEMISTRY OF CROP PROTECTION

The 10th IUPAC International Congress of the Chemistry of Crop Protection will be held at the Convention Centre in Basel, Switzerland, during August 4 - 9, 2002. The Congress theme 'Innovative Solutions for Healthy Crops' represents an open discussion of State-of-the-Art approaches in chemical synthesis, analytical sciences, discovery and selection tools, molecular and other scientific areas that are shaping the future of crop protection in sustainable agriculture.

For further information visit the Congress web-site: www.cp.novartis.com/iupac2002

MEETING ANNOUNCEMENT 2000 BRIGHTON CROP PROTECTION CONFERENCE

This conference will be held at the Hilton Metropole Hotel in Brighton UK November 13-16, 2000. It is the latest of the long-established series of crop protection conferences that are organised annually by BCPC (British Crop Protection Council), and which attract some 1500 registered participants from industrial, government and academic organisations worldwide.

A one-day pre-Conference symposium, on Monday 13 November, will consider the highly topical and controversial subject of "Consumer Exposure to Pesticide Residues, GMOs and Natural Toxins: Putting Risks in Perspective."

The main conference starts on Tuesday 14 November with the Bawden Lecture, to be given this year by Dr David Evans, Research and Development Director of Zeneca Agrochemicals, titled "New Era, New Challenges, New Solutions." This will be followed by thirty platform or poster sessions covering many aspects of pest and disease management including new compounds, integrated management methods, environmental safety, regulation, pesticide resistance, transgenic plants, organic production systems and biological control agents. Participants receive the three-volume Proceedings at the start of the Conference. A Trade Services Exhibition and Scientific and Educational Exhibition, together comprising some eighty stands, will be held throughout the

conference.

Registration remains possible up to the time of the conference, and even at the Conference itself, and enquiries should be addressed to:

The Brighton Conference Secretariat
8 Cotswold Mews, Battersea Square
London, SW11 3RA, UK.
Tel: +44 (0) 207 228 8034 Fax: +44 (0) 207 924 1790
E-mail: conference@bcpc.org

MEETING ANNOUNCEMENT SEVENTH ARAB CONGRESS OF PLANT PROTECTION

This congress, organised by the Arab Society for Plant Protection, in collaboration with the Faculty of Agriculture, University of Jordan, will be held at the University of Jordan, Amman, from October 22 - October 26 , 2000. Congress program:

1. A plenary session on plant protection in the next century, including information technology, obstacles for implementation and ways of advancement of IPM, molecular biology and alternatives to methyl bromide.
2. Three symposia presented by invited speakers on the following topics:
Symposium I: biological control of insect pests, including status in the middle east, using parasitoids and predators, fungi, viruses and nematodes. Pheromones in plant protection.
Symposium II: biological control of fungal pathogens, plant parasitic nematodes and weeds.
Symposium III: pests of economic and / or quarantine importance in the Arab world, including witches broom disease of lime, termites, peach fruit fly, citrus tristeza and Verticillium wilt of olive.
3. Paper presentation sessions
4. Poster sessions
5. One day field trip to visit several agricultural and tourist sites in Jordan

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MEETING ANNOUNCEMENT FIRST ANNOUNCEMENT OF "PESTS AND VECTORS MANAGEMENT FOR FOOD SECURITY AND PUBLIC HEALTH IN AFRICA: CHALLENGES FOR THE 21ST CENTURY"

The Crop Protection Society of Ethiopia (CPSE) will host its 9th annual meeting jointly with the 14th Meeting and Scientific conference of the African Association of Insect Scientists (AAIS) in Addis Ababa, Ethiopia, June 4 - 8, 2001. The conference will be sponsored by various governmental, non-governmental, and international organisations.

The scientific programme will consist of a keynote address and presentations of invited and contributed papers. The sub-themes are:

1. Role of indigenous knowledge in IPM/IVM
2. New trends in agriculture: Genetically Modified Organisms (GMOs)
3. Horticultural crops
4. Food crops
5. Vectors of animal and human diseases
6. Capacity building and networking
7. Management of natural resources for food security and the improvement of public health

Papers are invited for scientific presentations under any of the sub-themes. The second announcement will be circulated only to those who respond to this first announcement. The request for participation should include: Name, Institution, Address, Country, Telephone & Fax, and E-mail. Indicate your sub-theme from the list given under the scientific programme. Please send your request at your earliest convenience to the Hon. Secretary, AAIS at:

P.O. Box 59862
Nairobi, Kenya

E-mail: aais@icipe.org
(E-mails preferred)

In addition we would like to encourage round table meetings / symposia for specific working groups. Members who wish to convene such meetings may please indicate the topic to the AAIS Secretariat.

The IAPPS Newsletter is published by the International Association for the Plant Protection Sciences and distributed in *Crop Protection* to members and other subscribers. *Crop Protection*, published by Elsevier, is the Official Journal of IAPPS.

IAAPS provides a global umbrella for the plant protection sciences to facilitate and promote the application of the Integrated Pest Management (IPM) approach to a the world's crop and forest ecosystems.

Membership Information: IAPPS has four classes of membership which are described [here](#)

The *IAPPS Newsletter* welcomes news, letters, and other items of interest from individuals and organizations. Address correspondence and information to:

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