



International Association for the  
**PLANT PROTECTION SCIENCES**

IAPPS

**NEWSLETTER**

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## **JOINT BRAZILIAN AND LATIN AMERICAN ENTOMOLOGY CONFERENCE**

The 27th Brazilian Entomology Conference and the 10th Latin American Entomology Conference were held during September 02-06, 2018, in Gramado, Rio Grande do Sul. The theme of the event was “Science at the Service of Health, Agriculture and the Environment”. Total attendance was nearly 2000 delegates, counting researchers, scholars, graduate and post-graduate students, agro-business professionals, advisors and farmers. The science program consisted of lectures, symposia, panel discussions, mini-courses, and both oral and poster presentations of studies, while the cultural program included a photography contest and a quiz competition on entomology topics between teams of post-graduate students (EntomoQuiz).

The “Grand Challenge Agenda for Entomology in South America” summit was held on September 02, prior to the opening of the Conference, with Dr. Antônio R. Panizzi (International Delegate for the Entomology Society of Brazil [SEB]) in charge of its organization. Among those taking part in the summit were Dr. Frank Zalom (former President of the Entomological Society of America [ESA] and Co-Organizer), with a presentation on “The American Experience with the Grand Challenge Agenda in Entomology”, and Dr. Michael P. Parrella (President of the ESA), who presented the “Grand Challenge Agenda of the ESA and International Societies” to be discussed in Vancouver in 2018.



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On September 04, a meeting took place with the presence of Dr. Panizzi (as the International Delegate for the SEB), Dr. Eliane Dias Quintela (President of the Entomology Society of Brazil), Dr. Verónica Rubin and Agricultural Engineer Benjamín Rey (representatives of the Entomological Society of Peru), Dr. Bruno Zachrisson of IDIAP-Panama (representative of the Central American Section of the SEB) and, from Uruguay, Willy Chiaravalle, MSc, and Dr. María Stella Zerbino (representative of the South American Section of the SEB). Those present at the meeting agreed upon the creation the Latin American Federation of Entomology (FELA). The aim of this Federation is to create a platform to enhance academic and scientific exchange within the field of Entomology. Dr. Zerbino was provisionally appointed as President and Mr. Rey as

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Secretary, to promote the coordination of activities and the exchange among different associations, as well as their strengthening. Drafting the Articles of Association and establishing contact with other Latin American associations were set as priorities.

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## **FIRST INTERNATIONAL CONFERENCE ON BIOLOGICAL CONTROL: APPROACHES AND APPLICATIONS**

From September 27 – 29, the First International Conference on Biological Control: Approaches and Applications took place in Bengaluru, India. In congruence with the International Organization for Biological Control's (IOBC) *Parthenium* symposia, the Feed the Future Innovation Lab for Integrated Pest Management hosted a symposia on *Tuta Absoluta*. *Tuta* is a South American tomato leafminer that was introduced to Spain in 2006, and has now spread across Asia and Africa, with the potential to wipe out 100% of tomato crop yields.



The symposia, led by the International Association for Plant Protection Sciences (IAPPS) Working Group, was conducted on September 28 where 11 presentations addressed topics such as biology of the pest, modeling distribution, biocontrol involving parasitoids and predators, and more. 50 people representing five continents participated, offering recommendations for future modes of control of the pest.

“Not only did this conference bring together people from all over the world,” Muni Muniappan, director of the Innovation Lab, said, “but it united us in what we should do for further management methods. Some of our final recommendations include pheromone traps, host plant resistance, to continue modeling *Tuta's* movement, and to push donor agencies to support *Tuta* management research and outreach.” The Innovation Lab currently has a project led by Abhijin Adiga, who presented at the conference, on tracking *Tuta absoluta* by its movement throughout domestic markets and has already conducted 18 workshops involving 55 countries on management of the pest.

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## **1ST ALL AFRICA CONGRESS ON SYNTHETIC PESTICIDES, ENVIRONMENT, HUMAN AND ANIMAL HEALTH**

The "1st All Africa Congress on Synthetic Pesticides, Environment, Human and Animal Health" considers for the first time the total impact of synthetic pesticides on African populations, their animals, their living environment, and government/household economies. The most effective technologies and strategies to mitigate the negative impact of synthetic pesticide contaminations will be explored and recommendations made.

The goals of the congress are to:

- Raise awareness of synthetic pesticide contaminations in the African continent through data and information sharing.
- Document the impact of synthetic pesticides on human/animal health and the environment in the African continent.
- Identify and disseminate effective and appropriate technologies and practices to reduce synthetic pesticide contaminations in the African continent.
- Identify synthetic pesticide "skill gaps" and "technology gaps" in Africa's educational and extension systems.
- Identify effective strategies and policy interventions.
- Provide a platform for participants to build networks and partnerships for resource mobilization geared toward synthetic pesticide reduction.
- Generate a comprehensive action plan for the reduction of synthetic pesticide contamination in the African continent.

Please check the congress website for more info <https://www.worldfoodpreservationcenterpesticidecongress.com/>

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## **EIGHTH INTERNATIONAL CONFERENCE ON THE MANAGEMENT OF DBM AND OTHER BRASSICA PESTS**

The Eighth International Conference on Management of the Diamondback Moth and Other Crucifer Insect Pests will be organized by the World Vegetable Center in association with Cornell University (USA). The workshop will be held March 4-8, 2019 at Shanhua, Tainan, Taiwan. About 100 – 150 researchers worldwide are expected to participate and present research papers. The conference is designed to provide a common forum for the researchers to share their findings in bio-ecology of insect pests, host plant resistance, biological control, pesticides and insect resistant management on crucifer crops. As with previous workshops, a comprehensive publication of the proceedings will be published.

## Scientific Sessions

- Diamondback moth and other crucifer pests: The Global Challenge in a Changing Climate
- Biology, ecology and behavior of diamondback moth and other crucifer pests
- Insect plant interactions, host plant resistance and chemical ecology of crucifer pests
- Insecticide resistance and its management in crucifer pests
- Biological and non-chemical methods of management of crucifer pests (including organic agriculture)
- Genetic approaches to manage crucifer pests
- At the farm and landscape level: Barriers to and innovations for management of crucifer pests

Please check the conference website for more info:

<https://avrdc.org/eighth-international-conference-on-management-of-the-diamondback-moth-and-other-crucifer-insect-pests/>

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**IAPPS Mission: to provide a global forum for the purpose of identifying, evaluating, integrating, and promoting plant protection concepts, technologies, and policies that are economically, environmentally, and socially acceptable.**

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

**Membership Information: IAPPS has four classes of membership (individual, affiliate, associate, and corporate) which are described in the IAPPS Web Site [www.plantprotection.org](http://www.plantprotection.org).**

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

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