



“TRUE BUGS (HETEROPTERA: PENTATOMIDAE) PESTS IN THE NEOTROPICS: ADVANCES ON RESEARCH”

This is the title of one of the symposia held at the XXVI International Congress of Entomology (ICE 2022, Helsinki, Finland), organized by Dr. Antônio Ricardo Panizzi (Embrapa-Brazil) and Dr. Jocélia Grazia (UFRGS-Brazil). The symposium displayed the expertise of plant



Drs. Adeney de Freitas Bueno, Antônio Ricardo Panizzi, Maria Stella Zerbino and Henrique Marques-Souza discussed the challenges towards the sustainable management of the true bugs pests

entomologists on true bugs pests, covering taxonomy, bioecology, basic science for understanding bugs behaviour, and management strategies. Including seven presentations, it provided a unique opportunity for researchers to come together and discuss the significant challenges towards the sustainable management of the target pests.

The titles and the speakers of the presentations are listed below:

1. Recent advances on taxonomic status of pentatomid pests in the Neotropics (Heteroptera: Pentatomidae). Jocélia Grazia, Cristiano Schwertner (Universidade Federal do Rio Grande do Sul, Universidade Federal de São Paulo, Brazil).
2. Stink bug pests bioecology in the Neotropics: host-plant interactions and implications for their management. Antônio Ricardo Panizzi, Tiago Lucini (Embrapa, Brazil).
3. Advances on electropenetrography (EPG) studies with Neotropical pentatomids: waveforms and histology analyses. Tiago Lucini, Antônio Ricardo Panizzi (Embrapa, Brazil).

4. RNAi studies with stink bugs: from basic science to agricultural losses. Henrique Marques-Souza (Universidade Estadual de Campinas, Brazil).

5. Managing stink bugs on soybean/maize crop systems in the Neotropics. Adeney de Freitas Bueno (Embrapa, Brazil).

6. Management and insecticide resistance of stink bug populations (Hemiptera: Pentatomidae) in commodity crops. Daniel Ricardo Sosa-Gómez, Amarildo Pasini, Beatriz Kraemer, Beatriz Spalding Correa-Ferreira, Carlos E.D. Vieira, Cláudia B.R. Martinez, Ivani O.N. Lopes, Patrícia E. Husch (Universidade Estadual de Londrina, Embrapa, Universidade Federal do Paraná, Brazil).

7. The underestimated role of pentatomid parasitoids in the Neotropics. María S. Zerbino, Antônio Ricardo Panizzi (INIA Uruguay, Embrapa Brazil).

SYMPOSIUM “MAIN ENTOMOLOGICAL PROBLEMS OF AGRICULTURE IN LATIN AMERICA AND MANAGEMENT STRATEGIES”

During the XXVIII Brazilian Congress of Entomology (Fortaleza, Ceará, Brazil, August 30 - September 2), the Entomological Federation of Latin America (FELA) organized the symposium “**Main entomological problems of agriculture in Latin America and management strategies**”. This event was moderated by Dr. María Stella Zerbino, current president of FELA, and included five conferences.

The titles and the speakers of the presentations are listed below:

1. Entomological Societies of Latin America: promoting the regional integration and prospects. Antônio R. Panizzi, **María Stella Zerbino**. Sociedade Entomologica de Brasil (SEB), Federación de Entomología Latino Americana (FELA). mszerbino@gmail.com

2. Brazil: user and exporter of biological control technologies for big areas of agricultural production. **Eliane Dias Quintela**, Sociedade Entomologica de Brasil (SEB). eliane.quintela@embrapa.br

3. Main entomological problems in México. **Juana María Coronado-Blanco**, Sociedad Mexicana de Entomología. jmcoronado@docentes.uat.edu.mx



María Stella Zerbino (president of the Entomological Federation of Latin America, FELA), Bruno Zachrisson and Eliane Dias Quintela at the Symposium "Main entomological problems of agriculture in Latin America and management strategies"

4. Retrospective analysis and prospects for crops pest management in Central America. **Bruno Zachrisson**, Instituto de Investigación Agropecuaria de Panamá (IDIAP), Universidad de Panamá. bruno.zachrissons@idiap.gob.pa

5. Main entomological problems in Uruguay, control strategies and challenges. **Maria Stella Zerbino**, Willy Chiaravalle. Federación de Entomología Latino Americana (FELA), ENTOAGRO. mszerbino@gmail.com

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