"Integrated Control of Plant Feeding Mites" WG
Activity report – Zurich-2013

Convener – Eric Palevsky
Scientific Committee –
Uri Gerson, Sauro Simoni, Rosta Zemek, George Broufas, Markus Knapp & Menelaos Stavrinides
Liaison Officer: Phyllis Weintraub
2nd Meeting
March 2009, Florence, Italy
Convenor: Eric Palevsky
Local org.: Sauro Simoni

1st Meeting
March 2007, Jerusalem, Israel
Convenor and local organizer: Phyllis Weintraub
3rd Meeting
September, 2011,
Český Krumlov,
Czech Republic
Convenor: Eric Palevsky
Local organizer: Rosta Zemek

4th Meeting
September, 2013,
Paphos, Cyprus
Convenor: Eric Palevsky
Local organizer: Menelaos Štavrinides
## Attendance and Presentations

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Year</th>
<th>Participants (% Members)</th>
<th>Countries</th>
<th>Presentations</th>
<th>Posters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2007</td>
<td>49</td>
<td>12</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2009</td>
<td>62</td>
<td>12</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>2011</td>
<td>44 (33)</td>
<td>19</td>
<td>27</td>
<td>13</td>
</tr>
<tr>
<td>4</td>
<td>2013</td>
<td>38 (45)</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
</tbody>
</table>

Countries attending for the first time in 2013: China, Belgium, Brazil

Session topics

- Biology, ecology and behavior of plant-feeding mites
- Biocontrol using macrobials
- Biocontrol using microbials
- Effects of environmental conditions on predatory mites
- Plant-pest-natural enemy interactions
Invited talks & Student Prize

- Phytoseiids of Greece and Cyprus **George Papadoulis**
- Should we invest more time investigating the Ascidae as biological control agents? **Gilberto José de Moraes**
- Learning by predatory mites in foraging contexts: implications for biological control **Peter Schausberger**
- Perception of danger and behavioral response under UV in **Neoseiulus californicus** **Masahiro Osakabe**
- Unseen links in weed biocontrol using gall mites: fungi, fungivores and predators **Zhi-Qiang Zhang**
- Implications of alternating temperature regimes for the biological control of **T. urticae**, **Dominiek Vangansbeke**
Ascid complex-take home message

Most ABAs are phytoseiids, but predators could also be found in other families, such as the Ascidae, Blattisociidae and Melicharidae.

The majority of manuscripts on these families are strictly taxonomic or lab studies. Compared to Phytoseiidae we can say that the available information on these families are decades behind.

Gilberto José de Moraes
Post meeting activity
Course supported by
The Israel Taxonomy Initiative
Taxonomy of Soil dwelling acarine predators

Objective - Identify potential BCAs of nematodes and soil borne arthropod pests.

Prostigmata-Anystidae, Bdellidae, Cunaxidae, Eupalopsellidae and Stigmaeidae.

Mesostigmata-Ascidae, Blattisociidae, Melicharidae, Macrochelidae, Parasitidae and Laelapidae.

Deliverable: Key to species of major families in Israel

Interested -> Israel February 9-13\textsuperscript{th}, 2013.
Castelló is the capital of the province of the same name, a quiet, accessible Mediterranean city of nearly 200,000.

Next meeting will take place in Castelló de la Plana, Spain, 2015.
The province of Castelló is a blend of landscapes. Along the coast, a combination of orange orchards and beautiful beaches. Inland it is the second most mountainous province in Spain with a rich historical landscape.
“IPM” Research Group

Associate Unit with IVIA (Valencian Institute for Agricultural Research)

Sustainable Crop Protection with emphasis on Citrus: biology of insects and mites, sampling techniques, population ecology, and biological control and pest management systems.
Visiting delegation of IOBC Working Group

Integrated control of plant-feeding mites

Where: Beijing, China
When: July 8-13, 2014
Local Organizer: Xuenong, Xu
Hosting Committee

Local organizer:
Xuenong, Xu (Prof. Institute of Plant Protection, CAAS)
Xiaoyue Hong (Prof. Nanjing Agri. Uni.)

Host Institute:
Chinese Society of Plant Protection, Institute of Plant Protection, CAAS

Scientific Committee:
Kongming Wu, (DG, Institute of Plant Protection, CAAS)
Zhi-Qiang Zhang (Landcare Research, New Zealand)
Daochao Jin (Vice President, Guizhou University, China)
Zhimo Zhao (Southwest University, China)