WG Microbial and Nematode Control of Invertebrate Pests
(formerly WG: Insect Pathogens and Entomoparasitic Nematodes)

Eustachio Tarasco, Convenor since 2017
University of Bari "Aldo Moro", Bari, Italy

Giselher Grabenweger, Liaison-Officer
Agroscope, Zurich, Switzerland
Aims and Scope

• exchange of information on invertebrate pathogens and Entomoparasitic Nematodes (EPN)

• to stimulate contacts and cooperation

• to provide information to other more crop and pest oriented IOBC/WPRS working groups

• to organize workshops on identification/diagnosis of invertebrate pathogens and EPN
As you can see in the programme, we would like to ask all convenors to prepare a short presentation of 10 minutes.

Here you can present your latest activities and developments in your group.

This is also a good moment to bring in some discussion points, problems/challenges, suggestions and questions you have.

In addition, we would like to receive a short activity report from the period between the previous General Assembly (October 2017) and now.

Attached you find the template for this small report.

I would like to ask you to send this to me as a word file ultimately on November the 20th.

This gives me some time to merge the files and share it with everyone before the meeting starts.
Six Subgroups

<table>
<thead>
<tr>
<th>Subgroups</th>
<th>SG Convenor</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viruses</td>
<td>Miguel Lopez-Ferber (2017)</td>
<td>École des Mines, Alès, France</td>
</tr>
<tr>
<td>Bacteria</td>
<td>Luca Ruiu (2017)</td>
<td>University of Sassari, Italy</td>
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<tr>
<td>Fungi</td>
<td>Enrique Quesada-Moraga (2011)</td>
<td>University of Cordoba, Spain</td>
</tr>
<tr>
<td>Entomoparasitic nematodes</td>
<td>Vladimír Půža (2013)</td>
<td>Biology Centre CAS České Budějovice, Czech Republic</td>
</tr>
<tr>
<td>Soil insect pests</td>
<td>Dietrich Stephan (2017)</td>
<td>Julius Kühn-Institut, Darmstadt, Germany</td>
</tr>
<tr>
<td>Slugs and snails</td>
<td>Jirka Nermut (2018)</td>
<td>Biology Centre CAS České Budějovice, Czech Republic</td>
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</tbody>
</table>
WG Meeting 2017 in Tbilisi

- **Is IPM ready for Microbial Control Agents?**, June 11-15, 2017
- **Organizer**: Medea Burjanadze
  Agricultural University of Georgia, Tbilisi
- **Scientific committee**: WG & SG convenors & Medea Burjanadze
- 107 participants, 28 countries,
- 4 plenary talks, 41 oral presentations and 36 posters
- No parallel sessions
16th WG Meeting in Tbilisi
WG Meeting 2019 in Valencia (Spain)
SIP-IOBC Joint Meeting

- International Congress on Invertebrate Pathology and Microbial Control &
- 52nd Annual Meeting of the Society for Invertebrate Pathology &
- 17th Meeting of the IOBC-WPRS Working Group “Microbial and Nematode Control of Invertebrate Pests”

Attendance:
- Number of participants: 478
- Number of SIP/IOBC members: 303 (with 38 new IOBC membership)
- Countries represented: 55

Scientific activities:
- Number of oral presentations: 318
- Number of posters: 185
Local Arrangements Committee:

- Yolanda Bel (Universitat de València, Spain)
- C. Sara Hernández-Rodríguez (Universitat de València)
- Patricia Hernández-Martínez (Universitat de València)
- Joel González-Cabrera (Universitat de València)
17th WG Meeting in Valencia
With Local organizers: Juan Ferre and Baltazar Escriche
Publications

- WG meetings

<table>
<thead>
<tr>
<th>WG Meeting s</th>
<th>Bulletin</th>
<th>Content</th>
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<tbody>
<tr>
<td>WG 2017, Tbilisi</td>
<td>127</td>
<td>193 pp</td>
</tr>
<tr>
<td>WG 2019, Valencia</td>
<td>In prep.</td>
<td>Contrib. submitted under review</td>
</tr>
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</table>

NEXT WG MEETING in 2021

The 18th WG meeting is planned to be held in Ceske Budejovice (Czech Republic), June 20 - 23, 2021

- Local organizers: Vladimír Půža and Jiri Nermut - Biology Centre CAS České Budějovice, Czech Republic
And before the WG meeting…

IOBC WG Symposium in the ICE Scientific Section
"Biological Control and Insect Pathology" Symposium organizer: Eustachio Tarasco
Title: Microbial control in IPM strategies

- Enrique QUESADA-MORAGA (Subgroup Fungi) "entomopathogenic fungi in IPM strategies"
- Cezary TKACZUK (Subgroup Fungi) "Diversity and infectious potential of acaropathogenic fungi"
- Vladimir PUZA & Eustachio TARASCO (Subgroup Entomoparasitic Nematodes) “The Biodiversity of Entomopathogenic nematodes and their use in IPM strategies”
- Miguel LOPEZ-FERBER (Subgroup Viruses) "How new knowledge on baculovirus pathology modifies its use as biological control agents" and "New insect viruses and their potential use in biological control".
- Dietrich STEPHAN (Subgroup Soil Insect Pests) “Integration of microbial based biocontrol agents in IPM strategies for control of soil insect pests”
- Jirka NERMUT (Subgroup Slugs & Snails) "Phasmarhabditis hermaphrodita is not the only parasite of slugs - Diversity and ecology of slug and snail parasites and their use in biological and integrated pest management"
- Luca RUIU (Subgroup Bacteria) "Emerging bacterial entomopathogens for Integrated Pest Management"
Programm for the future

- Establish COST Actions and have meetings together
- Candidates for new convenors/subconvenors
- How to improve the role of the WG?

• Thank you