



Ecology of Aphidophaga 13

International Symposia . 29.8. - 2.9.2016 . Freising/Germany



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Dear colleagues,

The 13th International Symposium on “Ecology of Aphidophaga” will be held in Freising, Germany, from Monday 29th August to Friday 2nd September, 2016. The purpose of Aphidophaga conferences is to provide an international forum for the presentation and discussion of research on the biology, ecology and behaviour of organisms contributing to mortality of aphids (Hemiptera: Aphididae). Participants are encouraged to present research findings or theoretical models that may range in focus from highly specialized aphid natural enemies or peripheral biotic mortality factors, to large-scale ecosystem processes of which aphids are one component. There is no intrinsic bias toward either applied or basic research. The official language of the meeting is English.

Ecology of Aphidophaga first time in Germany

This is the first time that Ecology of Aphidophaga will be held in Germany and we are grateful to the Scientific Committee of Aphidophaga and the International Organization of Biological Control (IOBC Global) for selecting the Technical University of Munich (TUM) as the venue for the 13th Symposium. We are also grateful to the IOBC for supporting the meeting with student travel grants.

Technische Universität München (TUM)

TUM is one of Europe’s top universities. It is committed to excellence in research and teaching, interdisciplinary education and the active promotion of promising young scientists. The university also forges strong links with companies and scientific institutions across the world. TUM was one of the first universities in Germany to be named a University of Excellence. Moreover, TUM regularly ranks among the best European universities in international rankings. More information can be found under www.tum.de

TUM School of Life Sciences Weihenstephan

The symposium is hosted by the TUM School of Life Sciences Weihenstephan in Freising where research focusses on the exploration of the entire life cycle of foodstuffs and raw materials. Basic (B.Sc.) study courses include biology, agricultural and horticultural sciences, forestry science and resource management, landscape architecture and planning, nutritional science, molecular biotechnology, and brewing and beverage technology. At the M.Sc. level, a large number of specialized programs can be studied (www.wzw.tum.de).

For more information: www.aphidophaga.de



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Freising and Munich as attractive places

Weihenstephan constitutes a quarter of the city of Freising, about 40km north of Munich. It is very close to Munich Airport and participants can easily reach the venue in about 20 min by taxi or 40 min by bus. Freising also hosts the University of Applied Sciences Weihenstephan-Triesdorf with its famous Weihenstephan Gardens, as well as a number of other research institutes such as the Bavarian State Institute of Agriculture (LfL) and the Bavarian State Institute of Forestry (LWF), both of which also have divisions dealing with aphids and their natural enemies.

Attractions of Freising include the Weihenstephan brewery, the oldest brewery of the world, and Freising cathedral, where the former pope Benedikt XVI. was bishop.

More information about Munich and Freising can be found on www.muenchen.de and www.freising.de

Steering committee

- Dr. J.P. Michaud
Kansas State University, USA.
- Dr. Nickolas G. Kavallieratos
Benaki Phytopathological Institute, Greece
- Dr. Kris Giles
Oklahoma State University, USA
- Dr. Željko Tomanovic
University of Belgrade, Serbia
- Prof. Dr. Wolfgang W. Weisser
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Conference program

| | | |
|------------------|-------------|--|
| Monday, 29.8. | Morning | Arrival of participants. For those who already arrive on Sunday, 28.8. we will suggest some meeting points for the evening |
| | 13.00-18.00 | Symposium opening and first lectures |
| | 19.00 | Welcome dinner in the Weihenstephan Bräustübl |
| Tuesday, 30.8. | 8.00-18.00 | Talks, Poster session |
| | 20.00 | Conference dinner |
| Wednesday, 31.8. | 8.00-18.00 | Excursion to Munich |
| Thursday, 1.9. | 8.00-15.00 | Talks, Poster session |
| | 15.00 | End of conference |

Invited speakers

A number of distinguished colleagues have agreed to give an invited talk at the symposium:

- **Helen Roy**, NERC Centre for Ecology & Hydrology, U.K.
Harmonia axyridis: inspiring collaboration around the world
- **Josep A. Jaques**, Universitat Jaume I, Spain
How could we improve safety of aphid biological control?
- **George Heimpel**, University of Minnesota, USA
Host specificity in aphid parasitoids - the role of host and parasitoid phylogeny
- **François J Verheggen**, Université de Liège, Belgique
Immunity-related genomics and transcriptomics in aphids
- **Toby JA Bruce**, Rothamsted Research, UK
The impact of volatile signals on the behaviour of aphids and their parasitoids
- **Christoph Vorburger**, EAWAG and ETH Zurich, Switzerland
Symbionts mediate coevolution between aphids and parasitoids

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Symposium themes - three special sessions:

1. *Chemical Ecology of Aphid Natural Enemies*

Organizer Prof. Dr. François Verheggen, Agro-BioTech, Liege University, Belgium

2. *Aphidophaga Genomics*

Organizer Prof. Dr. Andreas Vilçinskas, Justus-Liebig-University Germany

3. *Invasive Aphidophaga*

Organizer Dr. Annette Herz, Julius-Kühn-Institut, Germany

4. *Biological control of sugarcane aphid, an emergent pest of sorghum in the USA*

Organizer: J.P. Michaud, Kansas State University, USA

In addition, we will have sessions on a number of other topics. In particular, there will be sessions on population and community ecology, behavioural ecology, aphidophaga physiology, systematics and evolution, IPM and biological control of aphids, among others, depending on the talks that are submitted.

A session with talks combining behavioural ecology and population dynamics of aphid parasitoids will be devoted to the memory of Dr. Wolfgang Völkl who died in early 2015.

Acceptable talks or posters should address one or several of the following themes related to aphid natural enemies:

Alternative food of aphidophaga • Basic ecology • Behaviour • Chemical ecology • Genomics • Seasonal adaptations • Natural enemy impact on aphid populations • Intraguild interactions • Invasive Aphidophaga • Molecular Ecology • Modelling • Pathogens of aphids • Population dynamics • Syrphidae • Voltinism and diapause • Systematics and Morphology • Phylogeny

The official language of the Symposium is English. The program will include a series of invited plenary lectures (see below), submitted oral presentations (15 min each) and concurrent poster sessions. All submissions must be accompanied by an abstract and are subject to approval by the conveners. An abstract book of all contributions will be distributed to all registered participants.

Abstract submission

Submission of abstracts for talks (15 min) or posters will be possible from the beginning of February 2016. Abstract submission deadline is 15. May 2016. Acceptance of conference contributions will start before the registration deadline.

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Registration & fees

Registration will be possible after 15.2.2015.

The Munich region is the most expensive of Germany and we have tried hard to reduce the costs for participants. Note that our registration fee consists of a complete package including

- a) the welcome dinner,
 - b) the conference banquet,
 - c) the excursion,
 - d) lunch on three days,
 - e) coffee/tea on the days with talks,
 - f) conference material and take-home gift.
- See below for details.

Venue for next Aphidophaga

During the conference we will select the venue for the next Aphidophaga in 2019. Suggestions are very welcome.

Student travel grants

There will be four IOBC student travel grants of 400 € and three travel grants of 800 € for students traveling from other continents. These are awarded on a competitive basis, based on the quality of the abstract submitted. Applicants must be under the age of 35 and IOBC members. Recipients are expected to give an oral presentation – poster presentations will not be supported.

Accommodation

We have negotiated special rates with a number of hotels. All details as well as information on how to book the hotel and obtain the reduced price will be available on the website. Participants should book the hotel directly.

| Freising 2016 | Registration | | Includes: |
|---|---------------------|--------------------|---|
| | Early | Late | |
| Category | before May 30, 2016 | after May 30, 2016 | |
| Participants | 390 € | 490 € | Welcome dinner (Mo) Admission to scientific sessions Congress Material (program, abstract book, congress bag, etc) Conference mug with logo to take home Conference banquet (Tu) Lunch (Mo, Tu, Th) Coffee breaks (Mo, Tu, Th) Congress excursion (We) |
| Student (with proof and support letter) | 290 € | 350 € | see „participants“ |
| Accompanying person (each) | 170 € | 220 € | Welcome dinner (Mo) Reduced congress material Conference mug with logo to take home Conference banquet (Tu) Congress excursion (We) |

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