

# Short Program

## Monday 19

09:00 – 11:00: Registration

11:00 – 11:30: Welcome session

11:30 – 12:15: Plenary conference 1. Life and work of Ivo Hodek, the founder of Ecology of Aphidophaga working group. Oldrich Nedved

12:20 – 13:00: Session 1: Coccinellids

12:20 – 12:40: Factors influencing hibernation in *Harmonia axyridis*: role of environment and interval timer. Alois Honek, Zdenka Martinkova and Jirí Skuhrovec

12:40 – 13:00: Checklist and distribution of Coccinellid predators of aphids in Tunisia. Monia Kamel Ben Halima, Mdellel Lassaad, Zouari Sana and Adouani Rihem

13:00 – 14:30: Lunch

14:30 – 15:15: Plenary conference 2. Aphids in conservation biological control: Two contrasted cases in greenhouse vegetables and maize in a Mediterranean area. Ramon Albajes

15:20 – 16:20: Session 2: Coccinellids

15:20 – 15:40: Avoidance and toxicity of ladybirds (Coleoptera: Coccinellidae). Oldrich Nedved and Samane Sakaki

15:40 – 16:00: Is *Harmonia axyridis* a new representative of the Spanish aphidophagous ladybird species assemblage? Roberto Meseguer, Belén Lumbierres and Xavier Pons

16:00 – 16:20: Diet and body size modulate the re-mating behaviour of an aphidophagous ladybird, *Coccinella transversalis*. Ahmad Pervez and Mumtaj Jahan

16:20 – 16:45: Coffee break

**16:50 – 17:45: Session 3: Hoverflies**

16:50 – 17:10: **Oviposition strategy of the American hoverfly *Eupeodes americanus* (Diptera: Syrphidae) and comparison with the commercialized aphid midge, *Aphidoletes aphidimyza* (Diptera: Cecidomyiidae): Effect of aphid density and plant aphid system.** Noémie Gonzalez, Marc Fournier, Rose Buitenhuis and Éric Lucas

17:10 – 17:30: **Predatory hoverflies concurrently provide biological pest control and pollination services.** Anette Van Oystaeyen, Ella Tuyttens, Sten Boonen, Lien De Smedt, Bellinkx Stijn, Felix Wäckers, Anonio Robledo and Apostolos Pekas

17:30 – 17:50: **Larval development and voracity of *Eupeodes americanus* (Diptera: Syrphidae): comparison of the focal prey, *Aphis gossypii* (Hemiptera: Aphididae) and the banker prey, *Rhopalosiphum padi* (Hemiptera: Aphididae).** Arlette Fauteux, António O. Soares and Éric Lucas

**18:30 – 19:30: Welcome cocktail:** University of Lleida Rectorate building (Campus del Rectorat-Facultat de Lletres – Pl. de Víctor Siurana, 1)

## **Tuesday 20**

**09:00 – 9:45: Plenary conference 3. Landscape structure affects aphid parasitism of aphids in winter crops.** K. Giles, N. Elliot, K. Baum, S. Elzay, G. Backoulou

**9:50 – 10:50: Session 4: Landscape**

9:50 – 10:10: **A higher crop diversity enhance cereal aphids and in turn their natural enemies assemblage.** Berta Caballero-López, José M. Blanco-Moreno, Alice Casiraghi, Lourdes Chamorro, Mauro Abbona and F. Xavier Sans

10:10 – 10:30: **Interactions between landscape, insecticides, and biocontrol in northern Xinjiang cotton.** Shuangshuang Jia, Félix J.J.A. Bianchi, Wopke van der Werf and Yanhui Lu

10:30 – 10:50: **Which adjacent habitats contribute predators during an aphid outbreak?** Alejandro C. Costamagna and Crystal D. Almdal

**10:50 – 11:20: Coffee break**

**11:20 – 13:00: Session 5: Biological control**

11:20 – 11:40: **The role of aphids for the maintenance of natural enemy assemblages during wintertime in citrus orchards.** Alice Casiraghi, Alberto Urbaneja and César Monzó.

11:40 – 12:00: ***Micromus angulatus*: a new aphid predator for use in augmentative biological control.** Apostolos Pekas, Stan Boonen, Lien De Smedt, Niel Verachtert, Felix Wäckers and Antonio Robledo

12:00 – 12:20: **Recruiting new candidates for preventive strategies on aphid control in sweet pepper crops.** Jesica Pérez-Rodríguez, Reiner Valstar, Ada Leman and Gerben J. Messelink

12:20 – 12:40: **A needed change of the IPM paradigm: implementing preventive strategies combining augmentative and conservation biological control of aphids.** Eric Vila, Ana Arévalo, Gregorio Monsalvo, Laura Mora and Mónica González

12:40 – 13:00: **Developing sampling plans for aphid natural enemies in grain sorghum.** Nina Rudin, Kristopher Giles, Jessica Lindenmayer, Norman Elliot and Tom Royer

**13:00 – 14:30: Lunch**

**14:30 – 15:15: Plenary conference 4. Subeconomic cereal aphids support biological control services in High Plains agriculture.** J.P. Michaud

**15:20 – 16:20: Session 6: Plant interactions**

15:20 – 15:40: **Glandular trichomes affect mobility and predator behavior of two aphid predators on medicinal cannabis.** Pablo López Carretero, Apostolos Pekas, Lars Stubsgaard, Gonzalo Sancho Blanco, Henrik Lütken and Lene Sigsgaard

15:40 – 16:00: **Eliciting citrus plant defenses against aphids by exposure to HIPVs.** Alberto Urbaneja, R. Ortells-Fabra, C. Errai, Carolina Gallego, Miquel. Alonso-Valiente and Meritxell Pérez-Hedo

16:00 – 16:20: **Nectar resources to reward *Aphelinus mali* and *Aphidoletes aphidimyza* natural enemies of aphids in fruits orchards.** Luis G. Montes-Bazurto, Georgina Alins, Òscar Alomar and Judit Arnó

**16:25 – 18:00: Poster session and coffee**

## **Wednesday 21**

### **Excursion – Visit to The Artists’ Vineyard and Poblet Monastery**

**09:30 – 18:00: Excursion. Meeting point: Venue of the Symposium**

## **Thursday 22**

**09:00 – 9:45: Plenary conference 5. Symbiont-conferred resistance, parasitoid counteradaptation, and aphid biocontrol. Christoph Vorburger**

### **09:50 – 10:50: Session 7: Parasitoids**

**09:50 – 10:10: Eliciting sweet pepper plant resistance to *Aulacorthum solani* and attractiveness on *Aphelinus abdominalis* by exposure to (Z)-3-hexenyl propanoate. Laura Depalo, Alberto Urbaneja, Carolina Gallego, Alexander Fournarakos, Miquel Alonso and Merixell Pérez-Hedo**

**10:10 – 10:30: Attract and reward strategy mediated by plant resistance inducers: An innovative approach for the control of *Dysaphis plantaginea* in apple orchards. Ainara Peñalver-Cruz, Elie Lare, Christelle Heintz, Anthony Juillard and Bruno Jaloux**

**10:30 – 10:50: Seasonal effects on aphid parasitoid searching efficiency in greenhouse sweet pepper crops. Gerben J. Messelink and Chantal M.J. Bloemhard**

**10:50 – 11:20: Coffee break**

### **11:20 – 12:40: Session 8: Parasitoids and hyperparasitoids**

**11:20 – 11:40: Inter-and intraspecific competition between solitary endoparasitoids drives host consumption and community structure. Haley E. Butler, Kristopher Giles, Norman Elliot**

**11:40 – 12:00: The spatial scale of co-occurrence of aphid parasitoids in sorghum: summary of multi-year population data in the US Southern Plains. Kristopher Giles, Norman Elliot, Mike Brewer, Kristen Bliss, Haley Butler and Nina Rudin**

**12:00 – 12:20: Charipinae (Hymenoptera: Cynipoidea: Figitidae) as agents that alter the aphid biological control. Mar Ferrer-Suay, Jesús Selfa and Juli Pujade-Villar**

**12:20 – 12:40: Sociological dimensions and public perception of classical biological control. Kelley Tilmon**

**13:00 – 14:30: Lunch**

**18:00 – 20:00: Visit to La Seu Vella (old cathedral). Meeting point: Venue of the Symposium**

**20:30: Conference Banquet**

## **Friday 23**

**10:30 – 11:15: Plenary conference 6. Native Lady Beetles Prefer the Woods to City Life. Mary Gardiner**

**11:20 – 12:20: Session 9: Urban green areas and other subjects**

**11:20 – 11:40: Aphids and their natural enemies in urban green areas of Catalonia: a summary of 25-year surveillance. Xavier Pons and Belén Lumbierres**

**11:40 – 12:00: Aphid and natural enemy complex of *Liriodendron tulipifera* in Spain. Roberto Meseguer, Alberto Hurtado, Oriol Cervelló, Nickolas G. Kavallieratos and Xavier Pons**

**12:00 – 12:20: *Myzus persicae* life cycle mode distribution in the south east of Iberian peninsula. Michelangelo La Spina and Juan Antonio Sánchez**

**12:25 – 13:00: Firewall Session**

**13:00 – 14:30: Lunch**