

# XI INTERNATIONAL SYMPOSIUM ON APHIDS

## Katowice-Targanice, 11-16.09.2022



### Preliminary program

(presenting authors are given here)

### SUNDAY 11.09

15<sup>00</sup> – Arrivals and check-in of conference participants

16<sup>00</sup> – 19<sup>00</sup> – Registration

19<sup>00</sup> – Dinner

### MONDAY 12.09

07<sup>30</sup> – 10<sup>00</sup> – Breakfast and registration

10<sup>00</sup> – 10<sup>30</sup> – **The ceremonial opening ceremony of the conference.**

10<sup>30</sup> – 14<sup>00</sup> – Oral speech session 1– Chair **Juan Manuel Nieto Nafría**

10<sup>30</sup> – 11<sup>30</sup> – **Plenary keynote talk 1. Jean-Christophe Simon** - Mechanisms of sex loss in the pea aphid

11<sup>30</sup> – 12<sup>00</sup> – Coffee break

12<sup>00</sup>–12<sup>30</sup> – **Hana Platková** - eCAPE: Electronic catalogue of aphid-plant ecology

12<sup>30</sup>–13<sup>00</sup> – **Kamila Malik** - *Drepanaphis acerifoliae* - can the Nearctic aphid take over Europe?

13<sup>00</sup>–13<sup>30</sup> – **Sebastiano Barbagallo** - An updated Italian aphid fauna checklist

13<sup>30</sup>–14<sup>00</sup> – **Gazi Görür** - Additions to Türkiye aphid fauna with new biological interactions from Mediterranean Region

14<sup>00</sup> – 15<sup>30</sup> – Lunch

16<sup>00</sup> – 18<sup>30</sup> – Oral speech session 2 – Chair **Sebastiano Barbagallo**

16<sup>00</sup> – 17<sup>00</sup> – **Plenary keynote talk 2. Shin-Ichi Akimoto** – Self and non-self recognition in aphids

17<sup>00</sup>–17<sup>30</sup> – **Juan Manuel Nieto Nafría** - Updated Argentine aphid check-list, with two first Argentine records, provincial records and host Plants

**17<sup>30</sup>–18<sup>00</sup> – Zhe Zhang** - DNA methylation and gene expression patterns show differential responses to stress in aphids developing different alternative morphs

**18<sup>00</sup>–18<sup>30</sup> – Donald Miller** - Ecology and Behavior of three new species of *Tamalia* gall aphids

**19<sup>00</sup> –** Dinner

## **TUESDAY 13.09**

**07<sup>30</sup> – 09<sup>00</sup> –** Breakfast

**10<sup>00</sup> – 13<sup>20</sup> –** Oral speech session 3 – Chair **Arnaud Ameline & Shalva Barjadze**

**09<sup>00</sup> – 10<sup>00</sup> – Plenary keynote talk 3. Emmanuelle Jouselin** - Discordance between phylogenomic datasets in aphids: who's telling the truth and what does it reveal about aphids diversification?

**10<sup>00</sup>–10<sup>30</sup> – Samiran Chakrabarti** - Endemic aphid species of Himalaya

**10<sup>30</sup>–11<sup>00</sup> – Xin-Tong** - Symbiotic Interactions by aphids galling on elm trees

**11<sup>00</sup>–11<sup>20</sup> – Giuseppe Massimino Cocuzza** - Molecular relationships on Euro-Mediterranean *Myzocallis* species (Hemiptera, Calaphidinae)

**11<sup>20</sup>–12<sup>00</sup> –** Photo of participants and coffee break

**12<sup>00</sup>–12<sup>30</sup> – Shalva Barjadze** - *Pistacia*-feeding gall producing Fordini aphids from Israel and adjacent countries

**12<sup>30</sup>–13<sup>00</sup> – Minho Lee** - Taxonomic review of Lachninae (Hemiptera: Aphididae) in the Korean Peninsula

**13<sup>00</sup>–13<sup>20</sup> – Karina Wieczorek** - Taxonomic overview of the aphid species alien to Poland with the first record on bamboo aphid.

**13<sup>30</sup> – 15<sup>00</sup> –** Lunch

**15<sup>00</sup> – 17<sup>00</sup> –** Oral speech session 4 – Chair **Beata Gabryś**

**15<sup>00</sup>–15<sup>20</sup> – Thomas Denoirjean** - Consequences on the performance and preference of two orchard hemipteran pests of essential oil trunk injection

**15<sup>20</sup>–15<sup>50</sup> – Alice Casiraghi** - The role of weed aphids for the maintenance of natural enemy assemblages during wintertime in valencian citrus orchards

**15<sup>50</sup>–16<sup>20</sup> – Moshe Inbar** - Functional ecology of aphid-induced galls (Fordini)

**16<sup>20</sup>–16<sup>50</sup> – Mariusz Kanturski** – Sensilla morphology and taxonomy of the genus *Pyrolachnus* (Hemiptera, Aphididae)

**19<sup>00</sup> –** Festive conference banquet

### **WEDNESDAY 14.09**

**07<sup>30</sup> – 10<sup>00</sup> –** Breakfast

**10<sup>30</sup> – 14<sup>00</sup> –** Guided mountain trip and joint field research (with collection of entomological material) with harvesting techniques workshop.

**14<sup>00</sup> – 15<sup>00</sup> –** Lunch

**15<sup>00</sup> – 19<sup>00</sup> – *Poster session* and best poster competition – **Emmanuelle Jousselein, Ge-xia Qiao, Shin-Ichi Akimoto, Colin Favret and Jean-Christophe Simon****

**19<sup>00</sup> –** Dinner

### **THURSDAY 15.09**

**07<sup>30</sup> – 9<sup>00</sup> –** Breakfast

**09<sup>00</sup> – 13<sup>40</sup> –** Oral speech session 5 – Chair **Samiran Chakrabarti & Gazi Görür**

**09<sup>00</sup> – 10<sup>00</sup> – Plenary keynote talk 4. Colin Favret** - The digital future of aphid taxonomy

**10<sup>00</sup>–10<sup>30</sup> – Hui Zhang** - Reproductive differentiation of parthenogenetic mothers regulates caste ratio in a hemipteran social insect

**10<sup>30</sup>–11<sup>00</sup> – Qiang Lee** - A comprehensive DNA barcode library for subtropical aphids

**11<sup>00</sup>–11<sup>30</sup> – Qian Liu** - Strong linkage between symbiotic bacterial community and host age and morph in a social aphid

**11<sup>30</sup>–12<sup>00</sup> –** Coffee Break

**12<sup>00</sup>–12<sup>30</sup> – Jenna Shaw** - Does hyperparasitoid presence influence oviposition success in commercial aphid primary parasitoids?

**12<sup>30</sup>–13<sup>00</sup> – Arnaud Ameline** - Antagonist effects of the leek *Allium porrum* as a companion plant on aphid host plant colonization

**13<sup>00</sup>–13<sup>40</sup> – Moshe Inbar** - Escape behavior in pea aphids: on and off the plant

**14<sup>00</sup> – 15<sup>00</sup> –** Lunch

**15<sup>00</sup> – 19<sup>00</sup> –** A trip to Żywiec and the Brewery Museum

**19<sup>00</sup> –** BBQ dinner and the evening of Polish culture

## **FRIDAY 16.09**

**07<sup>30</sup> – 10<sup>00</sup>** – Breakfast

**10<sup>00</sup> – 13<sup>30</sup>** – Oral speech session 6. Chair **Seunghwan Lee & Moshe Inbar**

**10<sup>00</sup> – 10<sup>30</sup>** – **Plenary keynote talk 5. Ge-Xia Qiao** – Chinese Academy of Sciences

**10<sup>30</sup>–11<sup>00</sup>** – **Colin Favret** - The five 'D's of aphid taxonomy

**11<sup>00</sup>–11<sup>30</sup>** – **Łukasz Depa** - Surprising host shift in specialised aphid – intrinsic capability or impact of anthropogenic environment?

**11<sup>30</sup>–12<sup>00</sup>** – **Shifen Xu** - Whole genome sequencing of gall-forming aphids provides insights into aphid evolution on galls

**12<sup>00</sup>–12<sup>30</sup>** – Coffee Break

**12<sup>30</sup>–13<sup>00</sup>** – **Maximilian Schughart** - Investigating grain aphid insecticide resistance and BYDV transmission in post-Neonicotinoid Ireland

**13<sup>00</sup>–13<sup>30</sup>** – **Juan Manuel Nieto Nafria** - Will *Sitobion* have a Gondwanan origin, as opposed to the Holarctic origin of *Macrosiphum*? Some possible South American evidence

**13<sup>30</sup>–14<sup>00</sup>** – **Mariusz Kanturski** – Morphology and Taxonomy of the enigmatic aphid genus *Sinolachnus* (Hemiptera, Aphididae)

**14<sup>00</sup> – 15<sup>30</sup>** – Lunch

**16<sup>00</sup> – 16<sup>30</sup>** – ***Ceremonial closing of the conference***

**19<sup>00</sup>** – Dinner

## **SATURDAY 17.09**

**07<sup>30</sup> – 10<sup>00</sup>** – Breakfast

**The list of posters** (presenting authors are given here)

1. **Shalva Barjadze** - Descriptions of the new aphid species of *Lipaphis* Mordvilko (Hemiptera: Aphididae) from South Korea, hitherto unknown oviparae of *Lipaphis ruderalis* Börner from the Czech Republic
2. **Shalva Barjadze** – Study of spatial distribution of aphid fauna (Hemiptera: Aphididae) in Georgia, South Caucasus
3. **Beata Gabryś** – Flexibility of aphid probing behavior in response to plant antixenosis
4. **Mariusz Kanturski** – Going North. Morphology and new records of *Cinara cedri* (Hemiptera, Aphididae: Lachninae) in Europe
5. **Mariusz Kanturski** – Morphology and sensilla of *Chaetosiphon fragaefolii* (Macrosiphini) – a new species for aphid fauna of Poland
6. **Mariusz Kanturski** – Revision of the genus *Nippolachnus* Matsumura (Lachninae)
7. **Natalia Kaszyca-Taszkowska** – Internal symbionts in *Dysaphis plantaginea* (Passerini, 1860)
8. **Minho Lee** – A new record of lettuce feeding aphid, *Acyrtosiphon lactuce* (Hemiptera: Aphididae) in the Korean Peninsula
9. **Tongyi Liu** – Accelerated diversification at middle latitudes explains unusual diversity gradients for Lachnine aphids (Insecta: Hemiptera: Aphididae)
10. **Kamila Malik** – Analysis of the distribution of the genus *Drepanaphis* del Guercio, 1909 based on museum data
11. **M. Pilar Mier Durante** – A new species of the neotropical genus *Gibbomyzus* (Macrosiphini) from Argentina
12. **Juan Manuel Nieto Nafria** – *Capitophorus formosartemisiae* (Macrosiphini), an Asian aphid recorded for first time in South America, and for first time on *Artemisia verlotiorum*
13. **Bartosz Oglaza** – Morphological diversity of Mesozoic aphids
14. **Barbara Osiadacz** – Mass occurrence of aphids as a threat to fir trees in Central Europe?
15. **Xin Tong** – Symbiotic interactions by aphids galling on elm trees
16. **Karina Wieczorek** – Distribution of the endemic High Arctic aphid species on the Svalbard Archipelago based on the published and unpublished field data
17. **Ying Xu** – New species of Macrosiphini (Hemiptera, Aphididae, Aphidinae) in China