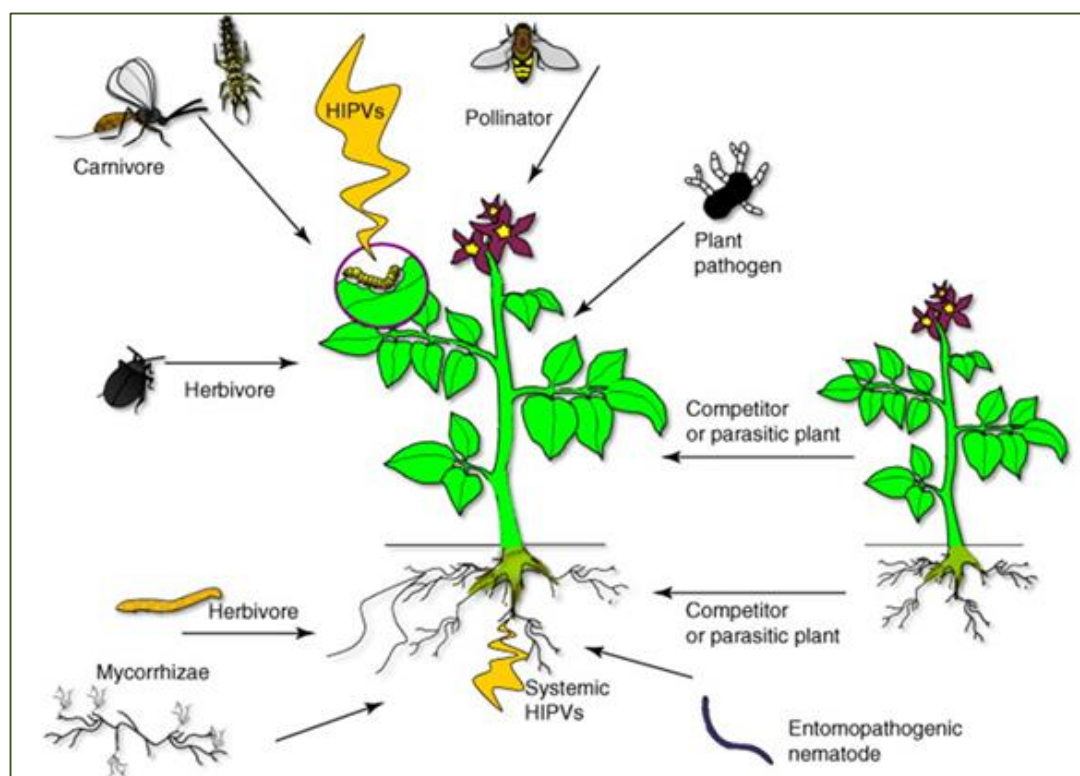


# Course of Chemical Ecology of Plant-Insect Interactions

Department of Entomology and Acarology, ESALQ/USP

April 6-8th, 2015 – Piracicaba-SP, Brazil



*Trends in Plant Science*

## Organizing Committee

### NUFFIC/CAPES

José Mauricio S. Bento, USP/ESALQ, Brazil (Coordinator)

Vanda H. Paes Bueno, UFLA, Brazil (Vice-coordinator)

Maria Fernanda G.V. Peñafior, USP/ESALQ, Brazil

Joop C. van Lenteren, Entomology-Wageningen University (WUR), The Netherlands



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## **PROGRAMME**

### **Day 1 (Monday, April 6<sup>th</sup>) Welcome meeting (Auditorium)**

19:00 Insects as the food of the future (Marcel Dicke, WUR)

### **Day 2 (Tuesday, April 7<sup>th</sup>) – Auditorium**

9:00-9:50 Lecture 1 – Insect sensory physiology and host selection behaviour (Joop van Loon, WUR)

9:50-10:40 Lecture 2 – Matryoshka dolls in insect-plant interactions: going beyond tritrophic interactions (Marcel Dicke, WUR)

10:40-11:10 – Coffee break

11:10-12:00 – Lecture 3 – Contributions of Brazilian science to the understanding of plant-induced defenses (Maria Fernanda G. V. Penaflor, USP/ESALQ)

12:00-14:00 – Lunch Time

14:00-14:50 Lecture 4 – How tiny parasitoids find, evaluate and parasitize their hosts: a case study with *Leptopilina heterotoma* (Joop C. van Lenteren, WUR)

14:50-15:40 – Lecture 5 – Use of plant volatiles to manipulate insect behavior in agriculture (José Mauricio S. Bento, USP/ESALQ)

15:40-16:10 – Coffee Break

16:10-17:00 Lecture 6 – Integrating plant-pollinator and plant-herbivore interactions (Dani Lucas-Barbosa, WUR)

17:00-17:30 Lecture 7 – How do zoophytophagous mirid predators find their prey? (Vanda Bueno, UFLA)

### **Day 3 (Wednesday, April 8<sup>th</sup>) – Auditorium and Bento's Lab**

8:30- 10:00 – Volatile collection, experimental design (Marcel Dicke and Joop van Loon, WUR)  
Behavioural methods (Marcel Dicke and Joop van Loon, WUR)

10:00-10:30 – Coffee break

10:30-12:30 – Identification and analysis, Electrophysiology methods (Marcel Dicke, Joop van Loon, and Dani Lucas-Barbosa, WUR)

GC-MS and statistics of headspace analyses (Marcel Dicke, Joop van Loon, and Dani Lucas-Barbosa, WUR)

12:30-14:00 – Lunch Time

14:00-17:00 – Guided visitation in Bento's Lab (groups)