

IUFRO Joint Meeting Antalya (Turkey) 9-14 April, 2014

7-03-01 "Cone and Seed Insects"

7-03-06 "Integrated Management in Forest Defoliating Insects"

7-03-14 "Entomological Research in Mediterranean Forest Ecosystems – MEDINSECT"

## DETAILED SCIENTIFIC PROGRAM

### THURSDAY 10 APRIL

#### Opening session

##### 08h30 - Opening address

- Welcome speech (by Forest General Directorate)
- Scientific and practical presentation of the meeting (François LIEUTIER, Andrea BATTISTI, Jean-Noel CANDAU, Mustafa AVCI)
- Presentation of the IUFRO 7-03 Entomology Unit (Andrew S. LIEBHOLD)

9h30 - **Invited general introductory lecture:** Emin Zeki BASKENT: "The Turkish forest: history and future"

10h00 – **Invited conference:** Mahmut EROGLU and Ertugrul BILGILI: "Structure and topics of the forest entomology research and pest control in Turkey"

10h30 - coffee break

#### Session 1: Insect biodiversity and population genetics

##### First part (chairman: Tim Paine)

11h00 – **Invited conference:** Jérôme ROUSSELET and Jean-Pierre ROSSI: "Landscape genetics: a useful approach to understand the population functioning"

11h30 to 12h30

- Kahraman IPEKDAL et al.: "Analysis of a hybrid zone in the genus *Thaumetopoea*"
- Marie-Anne AUGER-ROZENBERG et al.: "Contrasted genetic patterns in two egg-parasitoids associated with the complex species of the processionary moth *Thaumetopoea pityocampa/wilkinsoni* around the Mediterranean basin".
- M'Hamed EL MOKHEFI et al.: "Algerian populations structure of *Thaumetopoea pityocampa* using molecular markers"

12h30 - lunch

##### 14h10 - session 1 continuation (chairman: Carole Kerdelhué)

- Amani BELLAHIRECH et al.: "Genetic variation among populations of *Platypus cylindrus* (Coleoptera: Platypodidae) from Tunisia and Portugal"
- Ismael SEN and Oğuzhan SARIKAYA: "Intraspecific Genetic Diversity of Cedar Bark Beetle (*Orthotomicus tridentatus* Eggers) Populations on the Taurus Mountains of Turkey"
- Serdar DİNÇ and Serap MUTUN: "Genetic Diversity of an Oak Dependent Gall Wasp Species: Preliminary Analyses of *Cynips quercusfolii* (Hymenoptera: Cynipidae) from Turkey"
- Yaussra MANNAI et al.: "Diversity of Lepidoptera on *Quercus afares* in the north west of Tunisia"
- Serap MUTUN: "Genetic Break between East and the West: An evaluation of the Turkish oak gall wasps"

15h50 – coffee break

##### 16h20 to 18h00 - session 1 continuation (chairman: Manuela Branco)

- Nicklas JANSSON et al.: "Saproxylic beetle fauna on old oaks (*Quercus* spp.) at different sites in Turkey have both high inter- and intra specific diversity"
- Hiba DAAS et al.: "The Cork oak forest's Coleoptera in North Eastern Algeria: Inventory and ecological role"
- Khadija KISSAYI et al.: "Preliminary inventory of Hymenoptera Ichneumonidae from Morocco"
- Baha MOUNIA et al.: "Seasonal distribution of soil fauna in cedar forests in the National Park Thneit El Had (Algeria)"

- Djelloul GHEZALI: "Arthropedofauna of the cedar forests in the National Park of Chr ea"

## **FRIDAY 11 APRIL**

### **Session 2: Emerging and exotic pests**

First part (chairman: Oguzhan Sarikaya)

8h30 - **Invited conference:** Massimo FACCOLI et al. "Are Mediterranean areas especially suitable to the establishment of exotic pests?"

9h00 to 10h20

- Timothy D. PA INE: "Management of Invasive Insects on *Eucalyptus* in California"
- Manuela BRANCO et al.: "The *Eucalyptus* gall wasps in the Mediterranean: biological control, host plant range, and host-galler interactions"
- Omer GOLAN et al.: "Abundance and seasonal activity of two Eucalypt borers; *Phoracantha* spp. and their egg parasitoid *Avetianella longoi* in Israel"
- Samir DHAHR I et al.: "Performance of *Phoracantha recurva* larvae on four *Eucalyptus* species in Tunisia"

10h20 - **coffee break**

10h50 to 12h30 - **session 2 continuation (chairman: Mohamed L. Ben Jamaa)**

- Edmundo SOUSA et al.: "New data about biotic factors that affect stone pine production in Portugal"
- M. GODEFROID al.: "Intra-specific niche divergence within North American *Dendroctonus* bark beetles: implications for biological invasion risk"
- Vincent LESIEUR et al.: "European invasion of the western conifer seed bug: so what happened?"
- Julien HARAN et al.: "Evolutionary history and ongoing gene flow of *Monochamus galloprovincialis* (Coleoptera, Cerambycidae), vector of the Pine Wood Nematode"
- M. DAYI et al.: "Preliminary genetic analysis of the bacteria associated with *Monochamus galloprovincialis* from Turkey".

12h30 - **lunch**

### **Session 3: Insect biology, relation with host trees and with other organisms**

First part (chairman: Edmundo Sousa)

14h10 to 15h50

- Thomas BOIVIN et al.: "Host plant specialization influences the spread of endosymbiotic parthenogenesis in seed wasps (Hymenoptera: Torymidae)"
- Kate DONALESSEN et al.: "Exploring a possible preference in *Megastigmus spermotrophus* infestation of Douglas-fir"
- Amber PAULSON et al.: "Putative venom discovery in the Douglas-fir seed chalcid, *Megastigmus spermotrophus*"
- Yasmine ADJAMI et al.: "Influence of attacks by Carpophagous on metabolism of cork oak acorns (*Quercus suber*)"
- Serap MUTUN and Serdar D IN : "Beauty or the Beast? An association between oak and oak gall wasps with special emphasis on Turkish Cynipid Richness"

15h50 - **coffee break**

16h30 - **Poster session (part 1)**

## **Saturday 12 April**

8h40 - to 10h20 - **session 3 continuation (chairman: Stig Larsson)**

- Meri  KUMBASLI: "Monoterpenes say against insects: "unus pro omnibus, omnes pro uno"
- Maymoona A EISA et al.: "Biotic Investigation on *Acacia Species* in Kordofan Region Sudan against Climate Change"

- Olfa EZZINE et al.: "Contribution to the bio-ecological study of *Anacampsis scintillela* Fischer von Röslerstamm, 1841 (Lepidoptera: Gelechiidae Anacampsinæ) in Tunisia"
- D. BEZOS GARCÍA et al.: "*Tomicus piniperda*, main insect vector of pitch canker disease in *Pinus radiata* in northern Spain"
- Fazil SELEK et al.: "The biologic course of *Ips sexdentatus* (Boern.) on *Pinus pinaster* Ait. and *Pinus radiata* D. Don. plantations and the relations with the factors of site"

10h20 - coffee break

10h50 to 11h30

- A. ESKALEN al.: "Fungal symbionts of polyphagous shot hole borer (*Euwallacea* sp.) an ambrosia beetle (Coleoptera: Scolitiana) causing branch dieback and tree mortality on avocado and other host plants in California"
- Shannon C. LYNCH et al.: "Identification, Occurrence, Incidence, and Associations of New Fungal Pathogens Associated with the Goldspotted Oak Borer (*Agrilus auroguttatus*) Affecting Coast Live Oak (*Quercus agrifolia*) in Southern California"

#### **Session 4: Population dynamics and invasion processes**

Chairman: Tiina Ylioja

11h40 to 12h10 – **Invited conference:** Andrew S. LIEBHOLD: "Spatial synchrony in forest insect outbreaks: Why is it so ubiquitous?"

12h10 to 12h30- Manuel MOTA: "The pinewood nematode *Bursaphelenchus xylophilus*, and pine wild disease: a serious forest threat to Turkey and Europe"

12h30 – lunch

14h10 to 15h50 – **session 4 continuation**

- Jean-Noel CANDAU: "Evolutionary responses to a highly variable resource: comparison of life history strategies in forest seed insects and consequences for management"
- Stig LARSSON: "An outbreak of *Thaumetopoea pinivora* at the northern edge of its distribution range"
- Carole KERDELHUÉ et al.: "Identifying contrasted processes in the invasion history of the maritime pine bast scale *Matsucoccus feytaudi* across Southern Europe"
- Damla BETON et al. "Modelling the effects of climate change on the distribution of pine processionary moth populations in Turkey"
- Manel MEJRI et al.: "*Monochamus galloprovincialis* distribution in Aleppo pine forests in Tunisia"

15h50 – coffee break

16h30 – **Poster session (part 2)**

#### **Sunday 13 April**

8h00 to 20h30 - **All day field tour:** Visits of forest entomological problems (pine processionary, Cedar moth and cedar bark beetles ...) with stops on the way, for famous touristic sites. Lunch: Banquet with traditional Turkish cuisine in the field.

#### **Monday 14 April**

##### **Session 5: Forest decline, insect survey and control, forestry practices**

First part (chairman: Géraldine Roux)

8h40 to 10h20

- Bastien CASTAGNEYROL et al.: "Tree species composition rather than diversity triggers associational resistance to the pine processionary moth"
- Margot RÉGOLINI et al.: "Results from the FORRISK project show that tree density and apparency explain the probability of attack by the pine processionary moth".
- Mesut TANDOĞAN et al.: "Silvicultural Assessment Based On Some Factor That Causes Oak Decline"

- Mohamed MOUNA and Mustafa AVCI: "Cedar forests under the threat of new pests"
- Luis BONIFACIO et al.: "Cork-oak stands protection in Portugal trapping *Platypus cylindrus*"
- 10h20 - coffee break
- 10h50 to 12h30 - session 3 continuation (chairman: Mercedes Fernandez)
- Pedro NAVES et al.: "Testing of traps baited with semiochemical attractant to capture cork oak borer, *Coraeus undatus*, in southern Portugal"
- Tiina YLÍOJA et al.: "Pheromone trap height for cone insects in *Picea abies* seed orchards"
- Gahdab CHAKALÍ and Wahiba BERRETÍMA: "Egg masses analysis of pine processionary *Thaumetopoea pityocampa* (Denis and Schiffermüller 1775) (Lepidoptera: Notodontidae) in cedar forests of Algeria"
- Shahar SAMRA et al.: "Host alternation by egg parasitoids, the role of the variegated caper bug *Stenozygum coloratum* in seasonal activity of *Ooencyrtus pityocampae*"
- Nora KHELLAF et al.: "Diversity and importance predators and parasitoids of the gypsy moth, *Lymantria dispar* L. (Lepidoptera, Lymantriidae) in outbreaks phases (Blida, Algeria)"
- 12h30 Lunch
- 14h10 – 15h30 - session 5 continuation (chairman: Thomas Boivin)
- Safia SEBTI et al.: "Impact of egg parasitoids on the control of pine processionary populations in stage infestation in the Chrea National Park (Algeria)"
- Sonia HAMMAMI et al.: "Importance of the predation and parasitism of *Orgyia trigotephras* (Boisduval 1829) (Lepidoptera, Lymantridae) in Tunisia"
- M.L. OUAKID et al.: "Insecticidal effect of halofenozide and methoxyfenozide in different stages of *Lymantria dispar*, an important cork oak defoliator".
- 15h10 to 15h30 - coffee break

### Closing session

- 15h30 – General scientific conclusions and perspectives (Andrea BATTISTI)
  - The future of the MEDINSECT group (François LIEUTIER)
  - Final words and closing (Mustafa AVCI)