

Friday 18 September

BEEKEEPING FOR RURAL DEVELOPMENT COMMISSION

PLENARY SESSION

FRIDAY 18th MORNI BERLIOZ ROOM

Chair: Nicola Bradbear (UK)

| Time | Authors | Co-authors | Country |
|-------------|---|---|----------------|
| 09.00-09.40 | OLDROYD Benjamin Conservation of Asian honey bees | | Australia |
| 09.40-10.00 | MARDAN Makhdzir Using remote sensing and GIS in locations prediction to establish rafter beekeeping (Tingku) Technique in Marang district, Malaysia | Mohammadmehdi Saberioon, Nordin Laiii, Mohd Sood Alias | Malaysia |
| 10.00-10.20 | OTIS Gard W. Beekeeping training utilizing participatory methodology in Vietnam | Leo Smits, Huyen Pham, Steffanie Scott | Canada |
| 10.20-10.40 | DEVANESAN Stephen Potential of meliponiculture in rural homesteads of Kerala, India | K.K. Shailaja, Dr. K.S. Premila, Dr. O.P. Reji Rani | India |
| 10.40-11.00 | VANDAME Jérôme Beekeeping in Laos: various strategic choices | Anna Schooffs, Bounpheng Sengngam | France |
| 11:00-11:20 | Break | | |
| 11.20-11.40 | BRANKOVIC Danijela Perspectives of revitalisation of high nature area through organic apiculture | Nebojsa Nedic, Suzana Djordjevic Milosevic | Serbia |
| 11.40-12.00 | OCHOLA Simon Peter Bee keeping, an integrated approach in shea tree conservation in Uganda | | Uganda |
| 12.00-12.20 | MACHARIA Joseph K From bee hunting to beekeeping: stingless bees in Kenya | L M Gitonga, S K Raina J C Biesmejer | Kenya |
| 12.20-12.40 | WRIGHT Juliet Modern hives are out of date in Africa | Janet Lowore, Nicola Bradbear | United Kingdom |
| 12.40-13.00 | JANNONI-SEBASTIANINI Linkages between beekeeping for rural development and issues of human development and food security issues | Riccardo | Italy |

BEE HEALTH COMMISSION - SYMPOSIUM 3

"HORNETS PRESSURE ON HONEYBEES"

FRIDAY 18th MORNI PASTEUR ROOM

Chair: Alexandros Papachristoforou (Greece) and Claire Villemant (France)

| Time | Authors | Co-authors | Country |
|-------------|--|---|---------|
| 09:00-09:20 | BERGMAN J David Talk dedicated to the memory of Jacob S Ishay | Plotkin Marian | Israel |
| 09:20-09:40 | PLOTKIN Marian Biophysical properties of yellow pigment granules in the Oriental hornet | | Israel |
| 09:40-10:00 | BERGMAN J David Do social hornets and honeybees exploit ultrasonic acoustic resonance in constructing their brood combs and honeycombs | Q. Rome, A. Perrard, C. Villemant | Israel |
| 10:00-10:20 | MULLER Frank Potential Influence of Habitat Type and Seasonal Variations on Prey Spectrum of the Invasive Alien Species <i>Vespa velutina</i> var. <i>nigrothorax</i> Du Buysson, 1905 (Hym.:Vespidae), the Asian Hornet, in Europe. | | France |
| 10:20-10:40 | TAN Ken Heat balling for attacking hornets | H. Li, M.X. Yang, H.R. Hepburn, S.E. Radloff | China |
| 10:40-11:00 | MAHER Neville Comparison of trap designs against the Yellow-legged hornet (<i>Vespa velutina nigrothorax</i>), a honeybee predator recently introduced in South-West France | D. Thiéry | France |

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| 11:00-11:20 | Break | | |
| 11:20-11:40 | HADDAD Nizar Review on <i>Vespa orientalis</i> research in Jordan | A. Bataeneh, S. Fuchs | Jordan |
| 11:40-12:00 | PAPACHRISTOFOROU A. Defending the nest against its archenemy: The Cyprian honeybee <i>Apis mellifera cypria</i> confronting the Oriental hornet <i>Vespa orientalis</i> | A. Rortais, J. Sueur, G. Arnold | France |
| 12:00-12:20 | ARCA Mariangela Defence behaviour of <i>Apis mellifera</i> against the invasive Asian Hornet (<i>Vespa velutina</i>) in south-west of France | A. Papachristoforou, G. Arnold, A. Rortais. | France |
| 12:20-12:40 | IFANTIDIS Michael APIBURG® - II. A mechanical protection of honeybee colonies from hornets and other intruders | Alexandros Papachristoforou, Sebastian Spiewok, Spyridon Skareas | Greece |
| 12:40-13:00 | ARCA Mariangela Genetic characterization of the invasive populations of <i>Vespa velutina</i> in France | C. Capdevielle-Dulac, C. Nadeau, C. Villemant, G. Arnold, J.F. Silvain | France |

| INVITED SYMPOSIUM: BEE SHOP | | BARTHEZ ROOM | |
|-----------------------------|--|---|----------------|
| Time | Authors | Co-authors | Country |
| 09:00-09:20 | MORITZ F.A. Robin Bee shop - A european research network | | Germany |
| 09:20-10:00 | TOMAS-BARBERAN Katarina Phytochemicals as markers of the floral origin of honey | P. Truchado, A. Allende, L. Bortolotti, A.G. Sabatini, J. Simuth | Spain |
| 10:00-10:20 | BILIKOVA Katarina Royal jelly proteins as a new class of physiologically active proteins with immunostimulatory and antimicrobial properties | Hans Lehrach, Jozef Šimúth | Slovakia |
| 10:20-10:40 | SIMUTH Jozef A new view on honeybee defense system based on own proteinous antibiotics and phytochemicals | Katarína Biliková, Hans Lehrach | Slovakia |
| 10:40-11:00 | ROSENKRANZ Peter Variance of the reproduction of the parasitic mite <i>Varroa destructor</i> and its significant for host resistance at the individual level | Eva Frey, Richard Odemer, Florence Mougel, Michel Solignac, Barbara Locke, Ingemar Fries | Germany |
| 11:00-11:20 | Break | | |
| 11:20-11:40 | DE MIRANDA Joachim R. Prevalence and seasonal variations of four more bee viruses in <i>Apis mellifera</i> and <i>Varroa destructor</i> mite populations in France | Magali Tournaire, Robert J. Paxton Laurent Gauthier | Sweden |
| 11:40-12:00 | BEHRENS Dieter Mapping Genes for honeybee disease resistance: American Foulbrood and <i>Varroa destructor</i> | Florence Mougel, Eva Frey, Conny Geßner, F. Bernhard Kraus, Ingemar Fries, Peter Rosenkranz, Robin F.A. Moritz, Michel Solignac | Germany |
| 12:00-12:20 | JAFFÉ Rodolpho European honeybees: A deep red species on the list | Ingemar Fries, Robert J. Paxton, Anna-Gloria Sabatini, Robin F.A. Moritz | Germany |
| 12:20-12:40 | SHAIBI Taher 10,000 years in isolation: The DESERT honeybees of Al Kufrah | Robin F.A. Moritz | Germany |
| 12:40-13:00 | TITERA Dalibor Beekeeping management for Sustainable Apiculture | | Czech Republic |

POLLINATION AND BEE FLORA COMMISSION - SYMPOSIUM 1

“CAUSES AND IMPACTS OF THE DECLINE OF THE HONEYBEE AND OTHER POLLINATORS AND RECOMMENDED MEASUREMENTS”
FRIDAY 18th MORNI EINSTEIN ROOM

Chair: Koos Biesmeijer (UK) & Marinus Sommeijer (Netherlands)

| Time | Authors | Co-authors | Country |
|-------------|---|---|----------------|
| 09:00-09:20 | LACKNER Gottfried Survey on the regional bee population | | Austria |
| 09:20-09:40 | IMPERATRIZ FONSECA V. L. The Brazilian Pollinators Initiative ten years after the S. Paulo Declaration on Pollinators | | Brazil |
| 09:40-10:00 | ROBERTS Stuart Impact of climate change on European pollinators | | United Kingdom |
| 10:00-10:20 | BARTOMEUS Nacho Invasive plants affecting native pollinators | | Spain |
| 10:20-10:40 | CEBALLOS Lilian Assessment of toxicity of GM plants for bees | | France |
| 10:40-11:00 | MENGASSINI Andrea The strange case of Phacelia tanacetifolia Bentham (Hydrophyllaceae) | Monika Marta Grygielewicz | Italy |
| 11:00-11:20 | Break | | |
| 11:20-11:40 | NAGARAJA Narayanappa Does open-nesting honeybee species exhibit differential pollen collection? | | India |
| 11:40-12:00 | MEDZIHRADESKY Zsófia Melissopalynology and chemical analyses of Robinia pseudo-acacia honeys from Hungary | Zoltán Herpai; Ágnes Korbonski | Hungary |
| 12:00-12:20 | KOZMUS Peter Characterisation of Species and Population Of Bumblebees (Bombus, Latreille and Psithyrus, Lepeletier) in Slovenia based on Morphological and Molecular Markers | Vladimir Meglič, Meta Virant-Doberlet | Slovenia |
| 12:20-12:40 | LOUBLIER Yves Melliferous and polliniferous resources in an urban area : Saint-Denis (Surburban area of Paris) | Monique Morlot, Agnès Rortais, Gérard Arnold, Patricia Beaune, Régine Lurdos, Florence Britis | France |
| 12:40-13:00 | LORENZON Maria Cristina Floral Sources and Pollen Morphology of Tetragonisca Angustula (Apidae: Meliponina) in Fragments of Atlantic Rain Forest Vegetation, in Southeastern Brazil | Juliana Almeida Braga, João Soares Neto, Marilena Silva Conde, Érika Sales, Monika Barth | Brazil |

BEE HEALTH COMMISSION - PLENARY SESSION
"Has beekeeping a future: new challenges or bee health"

FRIDAY 18th AFTER BERLIOZ ROOM

Chair: Wolfgang Ritter (Germany)

| Time | Authors | Co-authors | Country |
|-------------|--|---|-------------|
| 14:30-14:45 | RITTER Wolfgang Introduction | | Germany |
| 14:45-14:50 | L'HOSTIS Monique Veterinarians and honey bees industry in France: vets advisor, teaching working group | Jean-Marie Barbançon, Nicolas Vidal- Naquet, Marc-Edouard Colin | France |
| 14:50-15:10 | BERNARIO Pierangelo EU animal health requirements for the import (into the EU) and trade (within the EU) of bees | | Italy |
| 15:10-15:30 | LE CONTE Yves Climate change: impact on honey bee populations and diseases | | France |
| 15:30-15:50 | NEUMANN Peter Colony losses: a global problem | | Switzerland |
| 15:50-16:10 | ALLIER Fabrice Estimation of honeybee colony losses within professional beekeepers in France during winter 2007/2008 | L. Bournez, A. De Boyer, V. Britten, P. Jourdan, I. leoncini, J. Vallon | France |
| 16:10-16:30 | PETTIS Jeff Small hive beetles and Tropilaelaps mites, real problems for beekeepers | Dennis Van Engelsdorp | USA |

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| 16:30-16:50 | Break | | |
| 16:50-17:10 | HIGES Mariano Pascual Nosema ceranae, a new bee disease in Europe | Paquel Martin-Hernandez, Aranzazu Meana | Spain |
| 17:10-17:30 | GAUTHIER Laurent The impact of Deformed Wing Virus on the queen honeybee fitness | | France |
| 17:30-17:50 | ELLIS James The effects of imidacloprid and amitraz on immature honeybees (<i>Apis mellifera</i>) | Tricia Toth, Mike Scharf | USA |
| 17:50-18:10 | BONMATIN Jean-Marc Imidacloprid contaminates the pollen of seed-coated crops: A high risk for bees | P.A. Marchand, M. Decoville, D. Locker, M.E. Colin, L.P. Belzunces | France |
| 18:10-18:30 | VAN DER STEHEN Jozef Diseases and heavy metals in honeybees in the Netherlands, results of a national monitoring in June 2008 | T. Blacquiere, B. Cornelissen | Netherland |
| 18:30-18:40 | RICHARDSON Jane Bee Surveillance Programmes, Bee Mortality and Risk Assessment | Karin Nienstedt, Sergio Potier Rodeia, Didier Verloo | Italy |

**POLLINATION AND BEE FLORA COMMISSION - SYMPOSIUM 2
"CROP POLLINATION: ITS VALUE AND SOME NEW DEVELOPMENTS"**

FRIDAY 18th AFTER BARTHEZ ROOM

Chair: Bernard Vaissière (France) & Marinus Sommeijer (Netherlands)

| Time | Authors | Co-authors | Country |
|-------------|--|---|----------------|
| 14:30-14:50 | MARRIS Gay Evaluating the role of pollinating honeybees in UK Apple Orchards | Giles Budge, Tom Breeze, Simon Potts, Mike Brown, Alan MacLeod | United Kingdom |
| 14:50-15:10 | FREITAS Breno Pollination and honey production in castor bean (<i>Ricinus communis</i> L.) plantation for biofuel | | Brazil |
| 15:10-15:30 | KOLTOWSKI Zbigniew Effect of insect pollination on the seed yield and seed composition in sunflowers, <i>Helianthus annuus</i> . | | Poland |
| 15:30-15:50 | VIDAL Maria Pollination and Fruit Set in Pumpkin (<i>Cucurbita moschata</i>) | Franco Vallejo | Brazil |
| 15:50-16:10 | ORTEGON Yair A commercial strawberry crop (<i>Fragaria chiloensis</i>) being directly pollinated by bees (<i>Apis mellifera</i>) | Uriel Armando Castro, Rodrigo Vásquez, Rodrigo Martines, Hugo Ballesteros | Columbia |
| 16:10-16:30 | CHIFFLET Rémy Oilseed rape pollen dispersal by insects in agricultural landscape | | France |

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| 16:30-16:50 | Break | | |
| 16:50-17:10 | GIRARD Mélissa Floral diversity around Vaccinium fields and the health of <i>A. mellifera</i> introduced for pollination in Quebec | Valérie Fournier, Madeleine Chagnon | Canada |
| 17:10-17:30 | SHUMAKOVA Iryna Alternative orchard pollinators | Oleksandr Komisar | Ukraine |
| 17:30-17:50 | VENTURIERI Giorgio Management of stingless bee, <i>Melipona fasciculata</i> , for pollination of solanaceous crops in greenhouses | Nercy Pires, Felipe Contrera | Brazil |
| 17:50-18:10 | MOURET Hugues Wild bees diversity and ecology in relation to landscape and crop pollination | Bernard Vaissière | France |
| 18:10-18:30 | TCHUENGUEM FOHOUE Fernand-Nestor Foraging and pollination behaviour of the African honeybee (<i>Apis mellifera adansonii</i>) | Dorothea Brueckner | Cameroun |

APITHERAPY COMMISSION - SYMPOSIUM 2 "TREATMENT"

FRIDAY 18th AFTERNOON EINSTEIN ROOM

Chair: Roch Domerego (Belgium)

| Time | Authors | Co-authors | Country |
|-------------|--------------------------------------|------------|---------|
| 14:30-14:50 | DOMEREGO Roch Introduction | | Belgium |

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| 14:50-15:10 | KRIVOPALOV-MOSKVIN Igor The possibility of normalization of alcohol with usage of Apitoxins | Fateeva E., Krivopalov, A., Krivopalov D. | Russia |
| 15:10-15:30 | BOGDANOV Stefan Functional and Biological Properties of Bee Products | Muenstedt K. | Switzerland |
| 15:30-15:50 | MOHD.YUSOFF Kamaruddin The Efficacy of Honey Dressing on Wound Healing: A Clinical Observation Study | Suhaimi A., Akka Z., Mohd.Yusoff M.Y. | Malaysia |
| 15:50-16:10 | AOSAN Cristina Api-Phyto-Therapy in demyelization condition - results analisys on a sample of 33 patients | | Romania |
| 16:10-16:30 | SOSSA Apththerapy in Benin | Dengler-Mahé, E.Euloge | Benin |
| 16:30-16:50 | Break | | |
| 16:50-17:10 | DORIN Mindrescu Treatment of multiple sclerosis | Mihaela O. | Romania |
| 17:10-17:30 | BERETTA-SILVA Andresa A. Pre-clinical and clinical research of a thermoreversible gel formulation to reduce healing time of lesions in burn victims | Bastos, J. K., Marchesan W. G., Marchetti J. M. | Brazil |
| 17:30-17:50 | ADZHIGIREY Galina Synergistic effectiveness of the consumption of bee products infused with medicinal herbs and berries to promote proper function of the immune system | Darya Adzhigirey | USA |
| 17:50-18:10 | NNOMO DOUANIA Roland Apiphytotherapy with honey in Cameroon | Yves P. J., Roger T. | Cameroon |
| 18:10-18:30 | PASHCHENKO Oleksiy Apiphytocompositions with Salvia officinalis L. essential oil | Todorova, V., Golembiovaska, O | Ukraine |

ROUND TABLE 5 - The bee, sentinel of the environment

FRIDAY 18 SEPTEMI PASTEUR ROOM

14:30-18:00 Moderator:
Gilles Ratia, International Beekeeping Consultant, President of the 41st APIMONDIA Congress,

Speakers (to be confirmed)

Monique L'HOSTIS, National Veterinary School of Nantes

Francesco PANELLA, President of UNAAPI (Italian Union of Beekeepers)

Etienne BRUNEAU, President of the beekeeping department of COPA (Committee of Professional Farmer Organisations of the European Union), COGECA (General Committee of the Farmers' Cooperation of the European Union), Delegate Administrator of CARI (Belgian Beekeeping Centre for Research and Information)

Henri CLEMENT, President of the French beekeeping union, "Union Nationale de l'Apiculture Française"

Gaëlle LEFEVRE, Natureparif Life + project