

# Friday 18 September

## BEEKEEPING FOR RURAL DEVELOPMENT COMMISSION PLENARY SESSION FRIDAY 18th MORNING

BERLIOZ ROOM

Chair: Nicola Bradbear (UK)

Time	Authors	Co-authors	Country	Abstracts
09.00-09.40	<b>OLDROYD Benjamin</b>		Australia	116
	Conservation of Asian honey bees			
09.40-10.00	<b>MARDAN Makhdzir</b>	Mohammadmehdi Saberioon, Nordin Laili, Mohd Sood Alias	Malaysia	117
	Using remote sensing and GIS in locations prediction to establish rafter beekeeping (Tingku) Technique in Marang district, Malaysia			
10.00-10.20	<b>OTIS Gard W.</b>	Leo Smits, Huyen Pham, Steffanie Scott	Canada	118
	Beekeeping training utilizing participatory methodology in Vietnam			
10.20-10.40	<b>DEVANESAN Stephen</b>	K.K. Shailaja, Dr. K.S. Premila, Dr. O.P. Reji Rani	India	119
	Potential of meliponiculture in rural homesteads of Kerala, India			
10.40-11.00	<b>VANDAME Jérôme</b>	Anna Schooffs, Bounpheng Sengngam	France	120
	Beekeeping in Laos: various strategic choices			
11.00-11.20	<b>Break</b>			
11.20-11.40	<b>BRANKOVIC Danijela</b>	Nebojsa Nedic, Suzana Djordjevic Milosevic	Serbia	121
	Perspectives of revitalisation of high nature area through organic apiculture			
11.40-12.00	<b>OCHOLA Simon Peter</b>		Uganda	122
	Bee keeping, an integrated approach in shea tree conservation in Uganda			
12.00-12.20	<b>MACHARIA Joseph K</b>	L M Gitonga, S K Raina, J C Biesmejer	Kenya	123
	From bee hunting to beekeeping: stingless bees in Kenya			
12.20-12.40	<b>ELAMIN E. M.</b>	Ahmed,M.A., Elsarag,M.S., Salah,F.E.	Sudan	124
	Promoting beekeeping in the Sudan, A review			
12.40-13.00	<b>JANNONI-SEBASTIANINI Riccardo</b>		Italy	125
	Linkages between beekeeping for rural development and issues of human development and food security issues			

## BEE HEALTH COMMISSION - SYMPOSIUM 3 "HORNETS PRESSURE ON HONEYBEES" FRIDAY 18th MORNING

PASTEUR ROOM

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

Time	Authors	Co-authors	Country	Abstracts
09:00-09:20	<b>BERGMAN J David</b>	Plotkin Marian	Israel	126
	Talk dedicated to the memory of Jacob S Ishay			
09:20-09:40	<b>PLOTKIN Marian</b>		Israel	127
	Biophysical properties of yellow pigment granules in the Oriental hornet			
09:40-10:00	<b>BERGMAN J David</b>		Israel	128
	Do social hornets and honeybees exploit ultrasonic acoustic resonance in constructing their brood combs and honeycombs			
10:00-10:20	<b>MULLER Frank</b>	Q. Rome, A. Perrard, C. Villemant	France	129
	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.			
10:20-10:40	<b>TAN Ken</b>	H. Li, M.X. Yang, H.R. Hepburn, S.E. Radloff	China	130
	Heat balling for attacking hornets			

10:40-11:00	<b>MAHER Neville</b>	D. Thiéry	France	131
	Comparison of trap designs against the Yellow-legged hornet ( <i>Vespa velutina nigrithorax</i> ), a honeybee predator recently introduced in South-West France			
11:00-11:20	<b>Break</b>			
11:20-11:40	<b>HADDAD Nizar</b>	A. Bataeneh, S. Fuchs	Jordan	132
	Review on <i>Vespa orientalis</i> research in Jordan			
11:40-12:00	<b>PAPACHRISTOFOROU A.</b>	A. Rortais, J. Sueur, G. Arnold	France	133
	Defending the nest against its archenemy: The Cyprian honeybee <i>Apis mellifera cypria</i> confronting the Oriental hornet <i>Vespa orientalis</i>			
12:00-12:20	<b>ARCA Mariangela</b>	A. Papachristoforou, G. Arnold, A. Rortais.	France	134
	Defence behaviour of <i>Apis mellifera</i> against the invasive Asian Hornet ( <i>Vespa velutina</i> ) in south-west of France			
12:20-12:40	<b>IFANTIDIS Michael</b>	Alexandros Papachristoforou, Sebastian Spiewok, Spyridon Skareas	Greece	135
	APIBURG® - II. A mechanical protection of honeybee colonies from hornets and other intruders			
12:40-13:00	<b>ARCA Mariangela</b>	C. Capdevielle-Dulac, C. Nadeau, C. Villemant, G. Arnold, J.F. Silvain	France	136
	Genetic characterization of the invasive populations of <i>Vespa velutina</i> in France			

## INVITED SYMPOSIUM: BEE SHOP FRIDAY 18th MORNING

## BARTHEZ ROOM

Time	Authors	Co-authors	Country	Abstracts
09:00-09:20	<b>MORITZ F.A. Robin</b>		Germany	137
	Bee shop - A european research network			
09:20-10:00	<b>TOMAS-BARBERAN Katarina</b>	P. Truchado, A. Allende, L. Bortolotti, A.G. Sabatini, J. Simuth	Spain	138
	Phytochemicals as markers of the floral origin of honey			
10:00-10:20	<b>BILIKOVA Katarina</b>	Hans Lehrach, Jozef Šimúth	Slovakia	139
	Royal jelly proteins as a new class of physiologically active proteins with immunostimulatory and antimicrobial properties			
10:20-10:40	<b>SIMUTH Jozef</b>	Katarína Biliková, Hans Lehrach	Slovakia	140
	A new view on honeybee defense system based on own proteinous antibiotics and phytochemicals			
10:40-11:00	<b>ROSENKRANZ Peter</b>	Eva Frey, Richard Odemer, Florence Mougel, Michel Solignac, Barbara Locke, Ingemar Fries	Germany	141
	Variance of the reproduction of the parasitic mite <i>Varroa destructor</i> and its significant for host resistance at the individual level			
11:00-11:20	<b>Break</b>			
11:20-11:40	<b>DE MIRANDA Joachim R.</b>	Magali Tournaire, Robert J. Paxton Laurent Gauthier	Sweden	142
	Prevalence and seasonal variations of four more bee viruses in <i>Apis mellifera</i> and <i>Varroa destructor</i> mite populatinos in France			
11:40-12:00	<b>BEHRENS Dieter</b>	Florence Mougel, Eva Frey, Conny Geßner, F. Bernhard Kraus, Ingemar Fries, Peter Rosenkranz, Robin F.A. Moritz, Michel Solignac	Germany	143
	Mapping Genes for honeybee disease resistance: American Foulbrood and <i>Varroa destructor</i>			
12:00-12:20	<b>JAFFÉ Rodolphe</b>	Ingemar Fries, Robert J. Paxton, Anna-Gloria Sabatini, Robin F.A. Moritz	Germany	144
	European honeybees: A deep red species on the list			
12:20-12:40	<b>SHAIBI Taher</b>	Robin F.A. Moritz	Germany	145
	10,000 years in isolation: The DESERT honeybees of Al Kufrah			
12:40-13:00	<b>TITERA Dalibor</b>		Czech Republic	146
	Beekeeping management for Sustainable Apiculture			

**POLLINATION AND BEE FLORA COMMISSION - SYMPOSIUM 1**  
**“CAUSES AND IMPACTS OF THE DECLINE OF THE HONEYBEE AND OTHER**  
**POLLINATORS AND RECOMMENDED MEASUREMENTS”**  
**FRIDAY 18th MORNING**

**EINSTEIN ROOM**

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

Time	Authors	Co-authors	Country	Abstracts
09:00-09:20	<b>LACKNER Gottfried</b>		Austria	147
	Survey on the regional bee population			
09:20-09:40	<b>IMPERATRIZ FONSECA V. L.</b>		Brazil	148
	The Brazilian Pollinators Initiative ten years after the S. Paulo Declaration on Pollinators			
09:40-10:00	<b>ROBERTS Stuart</b>		United Kingdom	149
	Impact of climate change on European pollinators			
10:00-10:20	<b>BARTOMEUS Nacho</b>		Spain	150
	Invasive plants affecting native pollinators			
10:20-10:40	<b>DIMOU Maria</b>		Greece	151
	Bee pollen loads to study climatic change: melissopalynol. and aerobiol. Data, emphasis <i>Olea europaea</i>			
10:40-11:00	<b>MENGASSINI Andrea</b>	Monika Marta Grygielewicz	Italy	152
	The strange case of <i>Phacelia tanacetifolia</i> Bentham ( <i>Hydrophyllaceae</i> )			
11:00-11:20	<b>Break</b>			
11:20-11:40	<b>NAGARAJA Narayanappa</b>		India	153
	Does open-nesting honeybee species exhibit differential pollen collection?			
11:40-12:00	<b>MEDZIHRADSKY Zsófia</b>	Zoltán Herpai; Ágnes Korbondi	Hungary	154
	Melissopalynology and chemical analyses of <i>Robinia pseudo-acacia</i> honeys from Hungary			
12:00-12:20	<b>KOZMUS Peter</b>	Vladimir Meglič, Meta Virant-Doberlet	Slovenia	155
	Characterisation of Species and Population Of Bumblebees ( <i>Bombus</i> , Latreille and <i>Psithyrus</i> , Lepeletier) in Slovenia based on Morphological and Molecular Markers			
12:20-12:40	<b>LOUBLIER Yves</b>	Monique Morlot, Agnès Rortais, Gérard Arnold, Patricia Beaune, Régine Lurdos, Florence Britis	France	156
	Melliferous and polliniferous resources in an urban area : Saint-Denis (Surburban area of Paris)			
12:40-13:00	<b>LORENZON Maria Cristina</b>	Juliana Almeida Braga, João Soares Neto, Marilena Silva Conde, Érika Sales, Monika Barth	Brazil	157
	Food sources of <i>Tetragonisca angustula</i> in fragments of Atlantic Rain Forest in Southeastern			

**BEE HEALTH COMMISSION - PLENARY SESSION**  
**“HAS BEEKEEPING A FUTURE: NEW CHALLENGES OR BEE HEALTH”**  
**FRIDAY 18th AFTERNOON**

**BERLIOZ ROOM**

Chair: Wolfgang Ritter (Germany)

Time	Authors	Co-authors	Country	Abstracts
14:30-14:45	<b>RITTER Wolfgang</b>		Germany	
	Introduction			
14:45-14:50	<b>L'HOSTIS Monique</b>	Jean-Marie Barbançon, Nicolas Vidal- Naquet, Marc-Edouard Colin	France	158
	Veterinarians and honey bees industry in France: vets advisor, teaching working group			
14:50-15:10	<b>BERNARO Pierangelo</b>		Italy	159
	EU animal health requirements for the import (into the EU) and trade (within the EU) of bees			
15:10-15:30	<b>LE CONTE Yves</b>		France	160
	Climate change: impact on honey bee populations and diseases			
15:30-15:50	<b>NEUMANN Peter</b>		Switzerland	161
	Colony losses: a global problem			

15:50-16:10	<b>ALLIER Fabrice</b>	L. Bournez, A. De Boyer, V. Britten, P. Jourdan, I. leoncini, J. Vallon	France	162
		Estimation of honeybee colony losses within professional beekeepers in France during winter 2007/2008		
16:10-16:30	<b>PETTIS Jeff</b>	Dennis Van Engelsdorp	USA	163
		Small hive beetles and <i>Tropilaelaps</i> mites, real problems for beekeepers		
16:30-16:50	<b>Break</b>			
16:50-17:10	<b>HIGES Mariano Pascual</b>	Paquel Martin-Hernandez, Aranzazu Meana	Spain	164
		<i>Nosema ceranae</i> , a new bee disease in Europe		
17:10-17:30	<b>GAUTHIER Laurent</b>		France	165
		The impact of Deformed Wing Virus on the queen honeybee fitness		
17:30-17:50	<b>ELLIS James</b>	Tricia Toth, Mike Scharf	USA	166
		The effects of imidacloprid and amitraz on immature honeybees ( <i>Apis mellifera</i> )		
17:50-18:10	<b>BONMATIN Jean-Marc</b>	P.A. Marchand, M. Decoville, D. Locker, M.E. Colin, L.P. Belzunces	France	167
		Imidacloprid contaminates the pollen of seed-coated crops: A high risk for bees		
18:10-18:30	<b>VAN DER STEHEN Jozef</b>	T. Blacquiere, B. Cornelissen	Netherland	168
		Diseases and heavy metals in honeybees in the Netherlands, results of a national monitoring in June 2008		
18:30-18:40	<b>RICHARDSON Jane</b>	Karin Nienstedt, Sergio Potier Rodeia, Didier Verloo	Italy	169
		Bee Surveillance Programmes, Bee Mortality and Risk Assessment		

**POLLINATION AND BEE FLORA COMMISSION - SYMPOSIUM 2**  
**“CROP POLLINATION: ITS VALUE AND SOME NEW DEVELOPMENTS”**  
**FRIDAY 18<sup>th</sup> AFTERNOON** **BARTHEZ ROOM**

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

Time	Authors	Co-authors	Country	Abstract
14:30-14:50	<b>MARRIS Gay</b>	Giles Budge, Tom Breeze, Simon Potts, Mike Brown, Alan MacLeod	United Kingdom	170
		Evaluating the role of pollinating honeybees in UK Apple Orchards		
14:50-15:10	<b>FREITAS Breno</b>		Brazil	171
		Pollination and honey production in castor bean ( <i>Ricinus communis</i> L.) plantation for biofuel		
15:10-15:30	<b>MOLITAS-COLTING Lita</b>	Dan Saclangan, Luciana Villanueva	USA	172
		Field Application of <i>Trichoderma</i> spp. on Strawberry Flowers Using Honeybees		
15:30-15:50	<b>VIDAL Maria</b>	Franco Vallejo	Brazil	173
		Pollination and Fruit Set in Pumpkin ( <i>Cucurbita moschata</i> )		
15:50-16:10	<b>ORTEGON Yair</b>	Uriel Armando Castro, Rodrigo Vásquez, Rodrigo Martines, Hugo Ballesteros	Columbia	174
		A commercial strawberry crop ( <i>Fragaria chiloensis</i> ) being directly pollinated by bees ( <i>Apis mellifera</i> )		
16:10-16:30	<b>CHIFFLET Rémy</b>		France	175
		Oilseed rape pollen dispersal by insects in agricultural landscape		
16:30-16:50	<b>Break</b>			
16:50-17:10	<b>GIRARD Mélissa</b>	Valérie Fournier, Madeleine Chagnon	Canada	176
		Floral diversity around <i>Vaccinium</i> fields and the health of <i>A. mellifera</i> introduced for pollination in Quebec		
17:10-17:30	<b>SHUMAKOVA Iryna</b>	Oleksandr Komisar	Ukraine	177
		Alternative orchard pollinators		
17:30-17:50	<b>VENTURIERI Giorgio</b>	Nercy Pires, Felipe Contrera	Brazil	178
		Management of stingless bee, <i>Melipona fasciculata</i> , for pollination of solanaceous crops in greenhouses		
17:50-18:10	<b>HUANG Jiaying</b>	Jiandong AN, Jilian LI, Shudong LUO, Jie WU	China	179
		Pollination ecology of Katy apricot <i>Prunus armeniaca</i> L. in greenhouse		
18:10-18:30	<b>TSCHUENGUEM Fernand</b>	Dorothea Brueckner	Cameroun	180
		Foraging and pollination behaviour of the African honeybee ( <i>Apis mellifera adansonii</i> )		

## APITHERAPY COMMISSION - SYMPOSIUM 2 "TREATMENT" FRIDAY 18th AFTERNOON EINSTEIN ROOM

Chair: Roch Domerego (Belgium)

Time	Authors	Co-authors	Country	Abstracts
14:30-14:50	<b>DOMEREGO Roch</b>		Belgium	
	Introduction			
14:50-15:10	<b>KRIVOPALOV-MOSKVIN Igor</b>	Fateeva E., Krivopalov, A., Krivopalov D.	Russia	181
	The possibility of normalization of alcohol with usage of Apitoxins			
15:10-15:30	<b>BOGDANOV Stefan</b>	Muenstedt K.	Switzerland	182
	Functional and Biological Properties of Bee Products			
15:30-15:50	<b>MOHD.YUSOFF Kamaruddin</b>	Suhaimi A., Akka Z., Mohd.Yusoff M.Y.	Malaysia	183
	The Efficacy of Honey Dressing on Wound Healing : A Clinical Observation Study			
15:50-16:10	<b>AOSAN Cristina</b>		Romania	184
	Api-Phyto-Therapy in demyelization condition - results analisys on a sample of 33 patients			
16:10-16:30	<b>SOSSA Euloge</b>	Dengler-Mahé, E.	Benin	185
	Apitherapy in Benin			
16:30-16:50	<b>Break</b>			
16:50-17:10	<b>DORIN Mindrescu</b>	Mihaela O.	Romania	186
	Treatment of multiple sclerosis			
17:10-17:30	<b>BERETTA-SILVA Andresa A.</b>	Bastos, J. K., Marchesan W. G., Marchetti J. M.	Brazil	187
	Pre-clinical and clinical research of a thermoreversible gel formulation to reduce healing time of lesions in burn victims			
17:30-17:50	<b>ADZHIGIREY Galina</b>	Darya Adzhigirey	USA	188
	Synergistic effectiveness of the consumption of bee products infused with medicinal herbs and berries to promote proper function of the immune system			
17:50-18:10	<b>NNOMO DOUANIA Roland</b>	Douania N., Yves P. J., Roger T.	Cameroon	189
	Apiphytotherapy with honey in Cameroon			
18:10-18:30	<b>PASHCHENKO Oleksiy</b>	Todorova, V., Golembiovaska, O	Ukraine	190
	Apiphytocompositions with <i>Salvia officinalis</i> L. essential oil			

## ROUND TABLE 5 - THE BEE, SENTINEL OF THE ENVIRONMENT FRIDAY 18 SEPTEMBER AFTERNOON

PASTEUR ROOM

14:30-18:00	<p><b>Moderator:</b> Gilles, Ratia, International Beekeeping Consultant, President of the 41<sup>st</sup> APIMONDIA Congress,</p> <p><b>Speakers</b> (to be confirmed) Monique L'HOSTIS, National Veterinary School of Nantes Francesco PANELLA, Président de l'UNAAPI (Syndicat Apicole Ital 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"</p>
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