

Thursday 17 September

BEEKEEPING TECHNOLOGY AND QUALITY COMMISSION - PLENARY SESSION "GOOD BEEKEEPING PRACTICE IN APIARIES" THURSDAY 17TH MORNING

BERLIOZ ROOM

Chair: Gilles Ratia (France)

Time	Authors	Co-authors	Country	Abstracts
09:00-09:20	RATIA Gilles		France	
	Introduction			
09:20-10:00	BRUNEAU Etienne		Belgium	51
	The important points of a good beekeeping practice guide			
10:00-10:20	SOEKARTIKO Bambang		Indonesia	52
	Integrated Beekeeping Development Project in Indonesia			
10:20-10:40	LARTIGOU Fabrice		France	53
	Geographical Information System applied to modern apiary industry			
10:40-11:00	SUNAY Aslı Elif	Dilek Boyacioglu, Günay Akdogan	Turkey	54
	A valuable tool for new product development: consumer acceptance of creamed honey			
11:00-11:20	Break			
11:20-11:40	ARUNDEL Jonathan	Stephan Winter	Australia	55
	New biosecurity strategies for migratory beekeepers			
11:40-12:00	ATAURI David		Spain	56
	m2m beehive monitoring platform			
12:00-12:20	GÜLER Ahmet		Turkey	57
	The effects of the shook swarm technique on honey bee (<i>Apis mellifera</i> L.) colony productivity and honey quality			
12:20-12:40	SKAREAS Spyros		Greece	58
	Advanced beekeeping techniques for higher honey productions			
12:40-13:00	JOSSERAND Laurence	Cyril Novales, Jean-Pierre Martin	France	59
	E-ruche			

BEE BIOLOGY COMMISSION - SYMPOSIUM 2 "PERCEPTION, LEARNING AND COGNITION IN HONEYBEES" THURSDAY 17TH MORNING

BARTHEZ ROOM

Chair: Jean-Christophe Sandoz (France)

Time	Authors	Co-authors	Country	Abstracts
09:00-09:20	DYER Adrian	T.L. Smith	Australia	60
	Taking time to see the 'roses', speed accuracy tradeoffs for difficult tasks in honeybees and bumblebees			
09:20-09:40	OSBORNE Juliet	Alan Smith, Andy Reynolds	United Kingdom	61
	Honeybee search strategies in flight			
09:40-10:00	AVARGUES-WEBER Aurore	M Giurfa	France	62
	Studying visual cognitive abilities of the honeybee by using free-flying bees: example of spatial relational rules learning			
10:00-10:20	MC QUILLAN HJ.	V Vergoz, LH Geddes, KT Beggs, Mercer Alison	New Zealand	63
	Queen mandibular pheromone influences honeybee perception and learning			
10:20-10:40	URLACHER Elodie	JM Devaud, B Francés and M Giurfa	France	64
	Modulation of learning by a social signal in an insect brain: a new role for allatostatin, a neuropeptide acting through an opioid-like pathway			

10:40-11:00	GRÜNEWALD Bernd		Germany	65
	Cellular physiology of honeybee olfactory learning			
11:00-11:20	Break			
11:20-11:40	LOUIS Thierry	A Ahier, V Raymond-Delpech, M Gauthier	France	66
	Modification of olfactory learning and memory induced by RNA interference targeting $\alpha 7$ nicotinic acetylcholine subunit in the honeybee			
11:40-12:00	KLINKE Ina	R Menzel	Germany	67
	Neuronal representations of olfactory and visual associative learning in the honeybee <i>Apis mellifera</i>			
12:00-12:20	HOURCADE Benoît	E Perisse, JM Devaud, JC Sandoz	France	68
	Glomerular plasticity associated with olfactory long-term memory in the honeybee antennal lobe			
12:20-12:40	SCHEINER Ricarda		Germany	69
	The honeybee as a model for the plasticity of aging			
12:40-13:00	CRAILSHEIM Karl	R Thenius and T Schmickl	Austria	70
	How can robots learn from honeybees?			

APITHERAPY COMMISSION - SYMPOSIUM 1 "RESEARCH" THURSDAY 17th MORNING

EINSTEIN ROOM

Chair: Eberhardt Bengsch (Germany)

Time	Authors	Co-authors	Country	Abstracts
09:00-09:10	BENGSCHE Eberhardt		Germany	
	Introduction			
09:10-09:20	KRYLOV Vasily N.		Russia	71
	Bee venom stimulates the regeneration of rats skin nerve after its alteration by crushing			
09:20-09:30	SUN Liping	Xu X., Liao L., Liu K.	China	72
	Experimental study on the anti-inflammatory and immune effect of different soluble fractions from bee collected rap pollen and GC-MS analysis			
09:30-09:40	PERCIE DU SERT Patrice	Ofant P.	France	73
	Probiotic effect of Lactic Acid Bacteria from fresh bee pollen			
09:40-10:00	BILIKOVA Katarina	Jozef Simuth, Hans Lehrach	Slovakia	74
	Royal jelly proteins as a new class of physiologically active proteins			
10:00-10:20	MAJTAN Juraj	Pawan Kumar, Tomas Majtan, Andrew F. Walls, Jaroslav Klaudivny	Slovakia	75
	Effect of honey and its major royal jelly protein 1 in activation of human epidermal keratinocytes			
10:20-10:40	BENGSCHE Eberhardt		Germany	76
	Lyme Borreliosis and Apitherapy			
10:40-11:00	PICHICHERO Elena	Ciccone Rosella, Canini Antonella	Italy	77
	Effect of chrysin detected in honey on melanoma cells			
11:00-11:20	Break			
11:20-11:30	HUTAGALUNG James S		Indonesia	78
	Analysis of flavonoid from bee propolis which sources in Indonesia as anti-plasmodium medicine			
11:30-11:40	DUKE Colin C	Duke R., Tran V., Abu-Melal A., Koolaji N.	Australia	79
	Novel Bioactive Prenylated Phenolics from Kangaroo Island Propolis			
11:40-11:50	SICEANU Adrian		Romania	80
	Comparative efficacy of apiphytotherapy towards chemotherapy in chicken eimeriosis			
11:50-12:00	MIRANDA Sonia	Vit, P., Rodriguez-Malaver A.	Venezuela	81
	Propolis increases the total antioxidant activity (TAA) of human saliva in vitro and in vivo			
12:00-12:10	CHEN Yue-Wen	Yeh S-R., An J. K., Chen C.N.	Taiwan	82
	Plant origin and anti-bacterial activity of Taiwanese green propolis			
12:10-12:20	SALEH NEZHAD Saleh	Kermanshahi H.	Iran	83
	Evaluate honey effects on Immune system in animal model			

12:20-12:40	SUN Liping	Liao L., Liu K., Peng W.	China	84
Preliminary study of active fractions and chemical compositions in bee collected rape pollen for liver protection.				
12:40-13:00	CHEN Lihong	Fuxing Z.	China	85
Advances in Scientific Research and Application of Propolis in China				

ROUND TABLE 3 - INTOXICATION IN BEES DUE TO PESTICIDES: RESULTS FROM SCIENTISTS

THURSDAY 17 SEPTEMBER MORNING

PASTEUR ROOM

9:00-13:00	Moderator: Doctor Jean-Marc BONMATIN, Researcher for the Centre for Molecular Biophysics - National Centre for Scientific Research [CNRS]
	Speakers (to be confirmed) Luc BELZUNCES, – INRA [French Agricultural Research Institute] - Avignon Cécile FLECHE, former Director of AFSSA [French Food Security Agency] – Bee Department (Sophia Antipolis) Piotr MEDRZYCKI, Doctor in Science, bee pathology specialist Council for Agricultural Research and Experimentation in Beekeeping and Sericulture, Bologna (Italy) Jens PISTORIUS, Department Head for bee intoxication enquiries, from the Julius-Kühn Institute (JKI) in Braunschweig - Germany Marc-Edouard COLIN, Veterinary Doctor – Sup-Agro patho-vigilance Centre – Montpellier Marie Pierre CHAUZAT, Doctor of Technology Charles POINSOT, Assistant of the of ATMO France Alain GAZEAU, Director of ATMO Poitou-Charentes

BEEKEEPING ECONOMY COMMISSION - PLENARY SESSION “Beekeeping economy in the present stage”

THURSDAY 17th AFTERNOON

BERLIOZ ROOM

Chair: Dinh Quyet Tam Vietnam

Time	Authors	Co-authors	Country	Abstracts
14:30-14:50	DINH QUYET Tam		Vietnam	
Introduction				
14:50-15:30	PHIPPS Ronald		USA	86
International honey market challenges and opportunities				
15:30-15:50	ÅSEN Eli		Norway	87
Recruitment in the nordic countries and the Norwegian recruitment project.				
15:50-16:10	CHEN Lihong	Zhang Fuxing	China	88
Mode of the safety and standardization production bases of bee products promote bee products quality safety and beekeeping healthy development in China				
16:10-16:30	PRATHAPAN K.	S. Devanesan, K.K. Shailaja, K.S. Premila, O.P. Reji Rani, K.M. Sankarankutty	India	89
Status of beekeeping in Kerala, India				
16:30-16:50	Break			
16:50-17:10	DEVANY Liam		United Kingdom	90
Approaches to successful integration of bees into the urban environment as part of local food initiatives.				
17:10-17:30	REY Francisco	John Kefuss, Jacques Vanpoucke	France	91
To treat or not to treat, that is the question				
17:30-17:50	PICARD Philippe	Magali Ruello, Jennifer Mejean	France	92
Officials signs of quality and origin (SIQO): an innovative example of participation in the structuring of the honey market in France				
17:50-18:10	VERMA Laiq Ram		India	93
Asian hive bee <i>Apis cerana</i> as potential global genetic resource				
18:10-18:30	MATSUMA Mitsuo		Japan	94
Diversity of propolis: production, preparation and consumption				

BEEKEEPING FOR RURAL DEVELOPMENT COMMISSION - SYMPOSIUM 1

"Honey trade by small producer groups"

THURSDAY 17th AFTERNOON

BARTHEZ ROOM

Chair: Harun Baiya (Kenya)

Time	Authors	Co-authors	Country	Abstracts
14:30-14:50	BRADBEAR Nicola		United Kingdom	95
	Introduction to the Standing Commission			
14:50-15:10	ROY Pratim	Robert Leo, Snehlata Nath, Anita Varghese, Sumin George Thomas, Shiny Mariam Rehel, Mathew Johnsoore	India	96
	Developing markets through people and produce			
15:10-15:30	VALENTINUS Heri	Johnny Utama	Indonesia	97
	From the bee hive to the breakfast table: marketing forest honey in Indonesia			
15:30-15:50	JOSHI Surendra Raj		Nepal	98
	Value chain promotion of honey in Nepal			
15:50-16:10	HADDAD Nizar		Jordan	99
	A revolving loan fund (RLF) providing small loans			
16:10-16:30	MITEMBE William		Malawi	100
	Overcoming constraints of beekeeping for income generation in Malawi			
16:30-16:50	CHISENGA Kenneth		Zambia	101
	Honey value chain development in Zambia			
16:50-17:10	Break			
17:10-17:30	PAUMGARTEN Fiona		Zambia	102
	Supporting collective action and poverty reduction in the Zambian honey sector			
17:30-17:50	HUSSELMA Madeleen		Zambia	103
	Alleviating poverty through beekeeping: lessons from Zambia			
17:50-18:10	RONDELET Yves	Céline Mondet	France	104
	MAPWA - a medicinal Apipark in West Africa			
18:10-18:30	EDRICH Wolfgang		Germany	105
	Secure village beekeeping: fixed-comb bell-hives and appropriate methods			

BEE HEALTH COMMISSION - SYMPOSIUM 2

"BREEDING PROGRAMS FOR A BETTER BEE HEALTH"

THURSDAY 17th AFTERNOON

EINSTEIN ROOM

Chair: Ralph Büchler (Germany)

Time	Authors	Co-authors	Country	Abstracts
14:30-15:10	LE CONTE Yves		France	106
	Honeybees surviving <i>Varroa destructor</i> infestations in France			
15:10-15:30	CALDERON Rafael		Costa Rica	107
	Comparison of the reproductive ability of varroa mites in worker and drone brood of Africanized honeybees			
15:30-15:50	FLORES Jose Manuel	F. Padilla	Spain	108
	Colony survival in untreated apiary of <i>Apis mellifera iberiensis</i> .			
15:50-16:10	ALAUX Cédric	John Harbo, Yves le Conte, Jean-Francois Martin, Sandrine Cros-Arteil, Christelle Dantec, Maria Navajas	France	109
	Fight varroa: genomic characterization of honeybees selectively bred for Varroa-Sensitive Hygienic behaviour			
16:10-16:30	KEFUSS John	Jacques Vanpoucke, Maria Bolt, Cyril Kefuss	France	110
	Practical varroa resistance selection for beekeepers			

16:30-16:50	Break			
16:50-17:10	UZUNOV Aleksandar	Hrisula Kipprijanovska, Sasho Gjurovski	Macedonia	111
		Establishment of the national beekeeping breeding program in Republic of Macedonia		
17:10-17:30	BUCHLER Ralph	Marina Meixner, Ina Heidinger	Germany	112
		Natural selection on disease resistance implemented in a selective breeding program		
17:30-17:50	COBEY Susan	John Pollard, Claire Plante, Michelle Flenniken, Walter Sheppard	USA	113
		Cooperative stock maintenance and development of protocol for international exchange of honeybee germplasm		
17:50-18:10	SANFORD Malcom T.		USA	114
		Conserving Genetic Variability: A Global Concern		
18:10-18:30	MEDRZYCKI Piotr	Fabio Sgolastra, Laura Bortolotti, Gherardo Bogo, Simone Tosi, Claudio Porrini, Anna Gloria Sabatini	Italy	115
		Can the brood rearing temperature affect adult bee fitness? A hypothesis explaining the time interval between bee loss and its primary causal factor		

ROUND TABLE 4 - GMO AND BEES THURSDAY 17 SEPTEMBER AFTERNOON

PASTEUR ROOM

	<i>What is the impact of genetically modified plants on bees? – Is the use of pesticides reduced with the utilisation of GMO plants?</i>		
	Moderator: Jean-Marie SIRVINS, Vice-président de l'UNAF, Member of the Haut Conseil des Technologies		
14:00-18:00	Speakers (to be confirmed): Lilian CEBALLOS, Independent Researcher Jane LECOMTE, Professor at Paris XI Orsay University Gilles-Eric SERALINI, Professor of molecular biology CRIL-GEN - University of Caen Hans-Hinrich KAATZ, Institut für Biologie/ Bereich Zoologie - Universität Halle Wittenberg - Germany Lucas MARTINEZ, President of the Beekeeping Federation in Argentina		