

SEPTEMBER 24TH, WEDNESDAY

COMMISSION	SYMPOSIUM TITLE	HALL	TIME
APITHERAPY	Medical Experience During the Use of Apitherapy	A1	09:00 - 10:30
BEE HEALTH	Effects of Pesticides-1	A2	09:00 - 10:30
BEE BIOLOGY	Genetics-1	AUDITORIUM 15	09:00 - 10:30
BEEKEEPING FOR RURAL DEVELOPMENT	Conservation and Sustainable Management of Apis dorsata and Stingless Bees	A3	09:00 - 10:30
MAIN SYMPOSIUM	Quality Assured Bee Products	A1	11:00 - 13:00
BEE HEALTH	Effects of Pesticides-2	A2	11:00 - 13:00
BEE BIOLOGY	Genetics-2	AUDITORIUM 15	11:00 - 13:00
ROUND TABLE	ASIA & OCEANIA	A3	11:00 - 13:00
SYMPOSIUM	EU Projects	A1	14:30 - 16:30
BEEKEEPING TECHNOLOGY & QUALITY	Tool Development for Fraud Fight in Bee Products-1	A2	14:30 - 16:30
BEE HEALTH	Honey Bee Pathogens	AUDITORIUM 15	14:30 - 16:30
ROUND TABLE	AMERICAS	A3	14:30 - 16:30
BEEKEEPING ECONOMY	Beekeeping Economy - 1	A1	17:00 - 18:30
BEEKEEPING TECHNOLOGY & QUALITY	Tool Development for Fraud Fight in Bee Products-2	A2	17:00 - 18:30
BEE HEALTH	Food Supplements and Bee Health	A3V	17:00 - 18:30



SEPTEMBER 24th, 2025 - Wednesday

HALL A1 SYMPOSIUM / APITHERAPY

09:00 - 10:30 **Medical Experience During the Use of Apitherapy**
Moderators: *Banu Yücel and János Körmendy-Rácz*

- 09:00 - 09:15** Bee venom therapy for multiple sclerosis
Stanko Buha - *Bosnia and Herzegovina*
- 09:15 - 09:30** Bee products for fertility and perimenopausal women. Case studies.
Mirela Valentina Strant - *Romania*
- 09:30 - 09:45** Use of bee products in the treatment of chronic bacterial prostatitis: results of a clinical study
Viktor Iolkin - *Ukraine*
- 09:45 - 10:00** Exploring the Skin Rejuvenating Properties of Royal Jelly through Stem Cell Activation
Nobuaki Okumura - *Japan*
- 10:00 - 10:15** Results of topical application of Romanian royal jelly and bee venom combined with Api-nutrition in chronic severe skin conditions
Alina Varadi - *Romania*
- 10:15 - 10:30** Review of therapeutic outcomes in the practice of Integrative Veterinary Medicine. Traditional Chinese Medicine and Apitherapy integrated into patient care: comparative protocols; analysis of simple data and relevant clinical cases
María Alejandra Lopez Pazos - *Chile*

SEPTEMBER 24th, 2025 - Wednesday

HALL A2 SYMPOSIUM / BEE HEALTH

09:00 - 10:30 **Effects of Pesticides-1**
Moderators: *Noa Simon Delso & Jiří Danihlík*

- 09:00 - 09:15** Tebuconazole-induced oxidative stress in honeybee flight muscles: mechanisms of disruption and adaptive cellular mechanisms
Máté Mackei - *Hungary*
- 09:15 - 09:30** Chemical Pollution and Pollinator Health: Assessing Multi-Stressor Effects on Honeybees and Solitary Bees
Daniela Lupi - *Italy*
- 09:30 - 09:45** The effect of oxalic acid on honey bee (*Apis mellifera*) physiology
Eliška Pindáková Beranová - *Czech Republic*
- 09:45 - 10:00** Assessing pesticide impact on honeybee gut microbiota: a call for microbial diversity as an environmental risk assessment endpoint
Annelise Rosa-Fontana - *Spain*
- 10:00 - 10:15** Will my colony survive this season? A benchmark analysis of statistical and computational models to predict honey bee mortality
Maxime Fraser Franco - *Canada*
- 10:15 - 10:30** Enhanced immune response and antimicrobial activity in honey bees (*Apis mellifera*) following application of oxalic acid-glycerine strips
Jiří Danihlík - *Czech Republic*



SEPTEMBER 24th, 2025 – Wednesday

AUDITORIUM 15 SYMPOSIUM / BEE BIOLOGY

09:00 - 10:30 **Genetics-1**

Moderators: Gennaro Di Prisco & Matthew Webster

- 09:00 - 09:15** Honeybee blood under the microscope: Characterizing hemocytes through surface protein profiling
Dirk C. de Graaf – *Belgium*
- 09:15 - 09:30** From genomes to holobionts: can the reanalysis of large-scale bee sequencing projects open new perspectives?
Thibault Leroy – *France*
- 09:30 - 09:45** Genetic variation of detoxification genes: from genes to proteins
Dora Henriques - *Portugal*
- 09:45 - 10:00** An unparalleled survey of honey bee genetic diversity in Europe – insights from wing shape, nuclear whole genome, and mitochondrial DNA data
M.Alice Pinto - *Portugal*
- 10:00 – 10:15** Genetic diversity and population structure of *Apis cerana* complementary sex determiner (*csd*) genes in China
Chao Chen - *China*
- 10:15 – 10:30** Generating a comprehensive metagenome-assembled genome (MAG) catalogue of the honey bee gut
Jorge Langa - *Spain*

SEPTEMBER 24th, 2025 – Wednesday

HALL A3 SYMPOSIUM / BEEKEEPING FOR RURAL DEVELOPMENT

09:00 - 10:30 **Conservation and Sustainable Management of *Apis dorsata* and Stingless Bees**

Moderators: Megan Denver & Jorik Phillips

- 09:00 - 09:15** Safeguarding Amazonian Stingless Bees for Conservation and Rural Development
Stefania Fiore Rollandin – *United Kingdom*
- 09:15 - 09:30** Land use and Climate Change Analysis as Tools of Conservation and Policy Activities for an Endangered Brazilian Stingless Bee Species, *Melipona Scutellaris*
Vera Lucia Imperatriz-Fonseca - *Brazil*
- 09:30 - 09:45** Biodiversity of *Apis dorsata* and its Conservation Strategies in India
Muniswamyreddy Shankar Reddy - *India*
- 09:45 - 10:00** Sustainable Rearing of Stingless Bees: Practices and Community Engagement in the Nilgiris Biosphere Reserve
Justin Raj - *India*
- 10:00 - 10:15** Prevention of Rock Bee, *Apis dorsata*, Colonies from Nesting in Vulnerable Sites
Raghupathi Ningaraddi Kencharaddi – *India*
- 10:15 - 10:30** Socio-ecological surveys of *Apis dorsata* in the mountains of the Nilgiri Biosphere Reserve, Western Ghats, India
Shiny Mariam Rehel – *India*

10:30 - 11:00 BREAK



SEPTEMBER 24th, 2025 – Wednesday

HALL A1 MAIN SYMPOSIUM / Quality Assured Bee Products 11:00 - 13:00 Beekeeping Technology & Quality / Apitherapy / Beekeeping Economy

- 11:00 - 11:30** The Treatment of Alzheimer's and Lyme Disease with API Therapy
Dietrich Klinghardt - Germany
- 11:30 - 12:00** Honey can only be honey - a strong EU policy commitment for authenticity and traceability
Carlos Martín Óvilo - Belgium
- 12:00 - 12:30** Challenges in Developing Honey Authenticity Tests
Stephan Schwarzing - Germany
- 12:30 - 12:45** Determining the Geographic Origin of American Honeys: An Analytical Method through Multivariate Analyses
Benjamin Poirot - France
- 12:45 - 13:00** Honey composition 2.0 - comparison between traditional pollen analysis and modern DNA analyses
Eero J. Vesterinen - Finland

SEPTEMBER 24th, 2025 - Wednesday

HALL A2 SYMPOSIUM / BEE HEALTH 11:00 - 13:00 Effects of Pesticides-2 Moderators: Simone Tosi & Lars Straub

- 11:00 - 11:15** Exploring RNA methylation as a promising biomarker for assessing risk of pesticide on honeybees
Miao Wang – China
- 11:15 - 11:30** Presence of pesticide residues in honey-bee-collected pollen in the context of Latvian landscapes
Niks Ozols - Latvia
- 11:30 - 11:45** Are PFAS yet another threat to bees?
Carolyn Anne Sonter - Australia
- 11:45 - 12:00** Exploring the Physiological Mechanisms Underlying Sublethal Imidacloprid- Induced Early Foraging Behavior in Honey Bee Workers
Wan Yi Chen - Taiwan
- 12:00 - 12:15** Toxicity tests of mosquito larvicides and adulticides on honey bee larvae (*Apis mellifera*) reared in vitro
Léna Barascou – USA
- 12:15 - 12:30** Why are SDHI pesticides of concern to beekeepers and scientists?
Jean-Marc Bonmatin – France
- 12:30 - 12:45** Chronic exposure unravels varying susceptibility across three eusocial bee species
Lars Straub - Switzerland
- 12:45 - 13:00** The impact of heat stress and pesticide exposure on honeybee immune response
Lenka Jerele - Slovenia



SEPTEMBER 24th, 2025 - Wednesday

AUDITORIUM 15 SYMPOSIUM / BEE BIOLOGY

11:00 - 13:00 **Genetics-2**

Moderators: Cecilia Costa & Per Kryger

- 11:00 - 11:15 Embryogenesis of haploid honey bee (*Apis mellifera* L.) takes longer than diploid worker
Yanna Chu - China
- 11:15 - 11:30 The Development of Brain Structure in Worker Honey Bees: A Micro-CT Study of Neuropil Volume Dynamics
Shang Jui Fu - Taiwan
- 11:30 - 11:45 Whole genome sequencing reveals resilience of European honeybees to climate change
Matthew Webster - Sweden
- 11:45 - 12:00 Unraveling the modulatory manner and function of circRNAs in the Asian honey bee larval guts
Rui Guo - China
- 12:00 - 12:15 Be-eRNA: Using next-generation sequencing to characterize the community of honey bee viruses from hive environmental samples
Kaitlin R. Deutsch - USA
- 12:15 - 12:30 Implementation of an extended SNP Panel for the genetic monitoring of honeybees and its application to *A. mellifera mellifera* and *A. Mellifera carnica* samples across Europe
Jana Vanessa Huml - Switzerland
- 12:30 - 12:45 The Journey to Recognising the Maltese Honey Bee: Achievements and Challenges Ahead
Dylan Farrugia - Malta
- 12:45 - 13:00 ame-miR-5119-Eth axis modulates larval-pupal transition of western honeybee worker
Jianfeng Qiu - China

SEPTEMBER 24th, 2025 - Wednesday

HALL A3 ROUND TABLE / ASIA & OCEANIA

11:00 - 13:00 **Enhancing the Value Chain**

- 11:00 - 11:05 Welcome Address
John Caldeira & Orawan Duangphakdee
- 11:05 - 11:15 Evaluation of beekeepers' perspectives towards honeybee pests, diseases and their impact in eastern Australia
Gabrielle Goldsworthy
- 11:15 - 11:25 Beekeeping Development in Arid Zones
James Arruda Salome
- 11:25 - 11:35 The current Honey bee research in Saudi Arabia
Ahmed Alkhazim



- 11:35 - 11:45** Stingless Bee Honey: A Unique and Underutilized Resource. Characteristics and medicinal benefits of stingless bee honey. Market positioning and challenges in commercialization
Wan Iryani Wan Ismail
- 11:45 - 11:55** Proposal for Stingless Honey Standard
Cleo Rodriguez Cervancia
- 11:55 - 12:05** The Honey Grading System Using Total Activity Properties: New Intervention
Orawan Duangphakdee
- 12:05 - 12:15** Sensory Testing of Tropical Honey: Understanding Consumer Preferences: Fake VS Real
Atikhun Thongtang & Sutthiphong Uambunmee
- 12:25 - 12:35** Tales from the Hive: Asian/Oceania Beekeepers Share Their Journeys
Orawan Duangphakdee
- 12:35 - 13:05** Asia Pacific Road Map 2025-2027
**John Caldeira & Orawan Duangphakdee & Zahira Nedjraoui & Ahmed Alkhazim
Mohd Zulkifli Mustafa & Cleo Rodriguez Cervancia**

13:00 - 14:30 LUNCH - POSTERS

Bee Health / Beekeeping Technology & Quality posters will be presented.
The FILM "Buzz of Transformation" will be screened in Auditorium 15, from 13:30 to 14:30

SEPTEMBER 24th, 2025 - Wednesday

HALL A1 SYMPOSIUM / EU Projects

14:30 - 16:30 Moderators: *Fani Hatjina & Eva Forsgren*

- 14:30 - 15:00** Bee-Guards - an EU project for resilient beekeeping
Cecilia Costa - Italy
- 15:00 - 15:30** Reconsidering beekeeping practices: Better-B explores how to restore harmony and balance in the bee colony and with its environment
Dirk C. de Graaf - Belgium
- 15:30 - 16:00** B-THENET: Advancing Sustainable Beekeeping through Knowledge Exchange and Best Practices
Giovanni Formato - Italy
- 16:00 - 16:30** INSIGNIA-EU. A pan-EU biomonitoring citizen science study to detect environmental pollution
Jozef Van Der Steen - Netherlands



SEPTEMBER 24th, 2025 – Wednesday

HALL A2 SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY 14:30 - 16:30 Tool Development for Fraud Fight in Bee Products-1 *Moderators: Miguel Vilas-Boas & Ole Kilpinen*

- 14:30 - 14:45** Honey Fraud: What Should We Know?
Wan Iryani Wan Ismail - Malaysia
- 14:45 - 15:00** Chemical Fingerprinting of Honey - Quality, Origin and Authenticity control
Mathias Lundgren - Sweden
- 15:00 - 15:15** Detection of Economically Motivated Adulteration in Honey Using Untargeted Liquid Chromatography-Mass Spectrometry and Chemometrics
Jule Hansen - Germany
- 15:15 - 15:30** Near-infrared spectroscopy and isotope ratio mass spectrometry for Honey authenticity
Giovanna Esposito - Italy
- 15:30 - 15:45** Orbitrap HR-MS Based Metabolomic Strategies For Seamless Determination of Honey Fraud
İsmail Emir Akyıldız - Türkiye
- 15:45 - 16:00** Toward the ultimate assay for honey authentication: combining multi-dimensional DNA sequencing data with multi-platform physical-chemical and isotopic d13C analyses
Luca Fontanesi - Italy
- 16:00 - 16:15** Advancing Bee Product Quality and Authenticity Assessment with NMR Technology
Lea Heintz - Switzerland
- 16:15 - 16:30** Forensic melissopalynology: is pollen in honey fit for court?
Janais Delport - South Africa

SEPTEMBER 24th, 2025 - Wednesday

AUDITORIUM 15 SYMPOSIUM / BEE HEALTH 14:30 - 16:30 Honey Bee Pathogens *Moderators: Marion Laurent & James D Ellis*

- 14:30 - 14:45** Microscopic Insights into Overwintering Disease Dynamics in Yukon's Subarctic
Etienne Tardif - Canada
- 14:45 - 15:00** A Review of Bee Health in Africa: A Development Perspective
William Van Blyderveen - United Kingdom
- 15:00 - 15:15** World Honey Bee Health - A COLOSS effort to monitor the global distribution of Apis mellifera pests and pathogens
James D. Ellis - USA



- 15:15 - 15:30** Rapid quantification and classification of *Nosema spp.* spores and *M. mellificae* cysts using automated microscopy and artificial intelligence
Iratxe Perales - Spain
- 15:30 - 15:45** Honey bee (*Apis mellifera*) hygienic behavior linked to innate defenses against an adult bee pathogen, *Vairimorpha (Nosema) ceranae*
Sydney Miller - USA
- 15:45 - 16:00** *Nosema (Vairimorpha) ceranae* infection alters honey bee (*Apis mellifera*) queen behavior and reproductive capacity
Juliana Rangel - USA
- 16:00 - 16:15** Effects of conventional and sustainable beekeeping on the pathogen load of honeybees
Ricarda Scheiner – Germany
- 16:15 - 16:30** The European Union national reference laboratories are ready to diagnose diseases and protect beekeeping
Marion Laurent - France

SEPTEMBER 24th, 2025 - Wednesday

HALL A3 **ROUND TABLE / AMERICAS**
14:30 - 16:30 **The Current Situation and Challenges of Beekeeping in the Americas**
Moderator: Lucas Martinez

16:30 - 17:00 **BREAK**

SEPTEMBER 24th, 2025 - Wednesday

HALL A1 **SYMPOSIUM / BEEKEEPING ECONOMY**
17:00 - 18:30 *Moderators: Norberto Luis Garcia & Linn F. Groeneveld*

- 17:00 - 17:15** Honey cost: determination of sustainability and efficiency in honey production
Concetta Cardillo - Italy
- 17:15 - 17:30** Working with small-scale beekeepers to develop successful honey bee businesses
Mary Bammer - USA
- 17:30 - 17:45** Sustainable beekeeping and market development in western Uganda achieved through a social enterprise and micro financing
David Howard Holloway - United Kingdom
- 17:45 - 18:00** Forecasting SROI of APIVITA Billion Bees Program for the years 2023-2027 through the 1% for the Planet Coalition
Anastasia Alexandra Vafeiadou - Greece



- 18:00 - 18:15** Assessment of exporting experience of Ukrainian honey in the context of modern challenges and changes of international legislation
Tetyana Vasylykivska - *Ukraine*
- 18:15 - 18:30** COLOSS results on the Wellbeing of beekeepers in 17 European and 3 African countries
Robert Brodschneider - *Austria*

SEPTEMBER 24th, 2025 - Wednesday

HALL A2 **SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY**
17:00 - 18:30 **Tool Development for Fraud Fight in Bee Products-2**
Moderators: Etienne Bruneau & İsmail Emir Akyıldız

- 17:00 - 17:15** Adulterated honey: fake or real news?
Jorge Caceres - *Spain*
- 17:15 - 17:30** Toward the development of an easy, fast and reliable screening method for the detection of adulterated honeys: first results of a European study
Marco Ciulu - *Italy*
- 17:30 - 17:45** Methods for Authenticity Verification of Chilean Honey: Stable Isotopic Techniques and Their Connection to Botanical Origin and Bioactive Compounds
Enrique Mejias - *Chile*
- 17:45 - 18:00** Honey Story: A Data-Driven and Blockchain-Backed Approach to Honey Authentication
James Wilkes - *USA*
- 18:00 - 18:15** Mannose in Eucalyptus honey from Uruguay: should it be considered as an indicator of possible adulteration?
Lucía Almeida Kutscher - *Uruguay*
- 18:15 - 18:30** HoneyTrace - Using Blockchain Technology to trace Honey from the Jar back to the Hive
Klaus Beckmann - *Germany*



SEPTEMBER 24th, 2025 - Wednesday

HALL A3

17:00 - 18:30

SYMPOSIUM / BEE HEALTH

Food Supplements and Bee Health

Moderators: *Pilar De la Rua & Cleo Cervancia*

- 17:00 - 17:15** Lysozyme, an powerful protein supplement for prevention of brood diseases and stimulation of colony development: a report from large scale laboratory-to-field trials on the Canary Islands and Spain.
Javier Hernández López - *Spain*
- 17:15 - 17:30** The use of thymol as nano-emulsion in honey bee supplemental feed (*Apis mellifera*)
Constantin-Ovidiu Craiu - *Romania*
- 17:30 - 17:45** The impact of pollen diet and microbiome on honey bee health
Chiara Braglia - *Italy*
- 17:45 - 18:00** Exploring environmental influences on honey bee gut microbiota: a comparative analysis of *Apis mellifera ruttneri* and *Apis mellifera ligustica* across two climates
Simone Cutajar - *Italy*
- 18:00 - 18:15** A novel non-invasive method to characterize the gut microbiome and viral profile of honey bee queens
M. Marta Guarna - *USA*
- 18:15 - 18:30** Buzzing Boundaries: Balancing Honey Bee Movement and Pathogen Risks to protect Biodiversity
Pilar De la Rua - *Spain*

