

SEPTEMBER 25TH, THURSDAY

COMMISSION	SYMPOSIUM TITLE	HALL	TIME
APITHERAPY	Effects of Apitherapy Products on Cancer, Diabetes, and Wounds	A1	09:00 - 10:30
BEEKEEPING FOR RURAL DEVELOPMENT	Building Rural Economies through Diverse Beekeeping Approaches	A2	09:00 - 10:30
WORKSHOP	VETERINARY FOCUS: Bee Health, Welfare & Public Health 2025	AUDITORIUM 15	09:00 - 10:30
ROUND TABLE	AFRICA-1	A3	09:00 - 10:30
WORKSHOP	WG12 on Data Standardisation	AUDITORIUM 11	09:00 - 10:30
MAIN SYMPOSIUM	Bridging Research and Practice	A1	11:00 - 13:00
BEE HEALTH	Focus On Foulbrood	A2	11:00 - 13:00
BEEKEEPING TECHNOLOGY & QUALITY	Bee Products Quality, Safety and Standardization	AUDITORIUM 15	11:00 - 13:00
ROUND TABLE	AFRICA-2	A3	11:00 - 13:00
ROUND TABLE	Breeding for Varroa Resistance	AUDITORIUM 11	11:00 - 13:00
BEE HEALTH	Bridging Research and Practice	A1	14:30 - 16:30
POLLINATION & BEE FLORA	Pollinator-friendly Rural Landscapes and Pollinator-friendly cities	A2	14:30 - 16:30
APITHERAPY	Biological Effects of Bee Products	AUDITORIUM 15	14:30 - 16:30
ROUND TABLE	Analytical Tools to Fight Honey Fraud	A3	14:30 - 16:30
	GLOBAL HONEY TALKS	AUDITORIUM 11	14:30 - 16:30
BEE HEALTH	Updates on SHB and Tropilaelaps	A1	17:00 - 18:30
POLLINATION & BEE FLORA	Crop Pollination	A2	17:00 - 18:00
BEE BIOLOGY	Nutrition, Microbiome and other interactions-1	AUDITORIUM 15	17:00 - 18:30
ROUND TABLE	Looking at Economic Anomalies in the Honey Market	A3	17:00 - 18:30
WORKSHOPT	Alternative Hive Designs, Affordable and Sustainable Solutions	AUDITORIUM 11	17:00 - 18:30





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SEPTEMBER 25th, 2025 - Thursday

HALL A1 09:00 - 10:30 SYMPOSIUM / APITHERAPY Effects of Apitherapy Products on Cancer, Diabetes and Wounds Moderators: Andresa Aparecida Berretta & Beate McKenzie

- 09:00 - 09:15** Proteomic Analysis of Bee Venoms From Different Honeybee Species and Their Apitherapeutic Effect on Various Cancer Cells
Banu Yücel - *Turkiye*
- 09:15 - 09:30** Propolis as an apitherapeutic agent for use in the oral cavity
Anna Kurek Górecka - *Poland*
- 09:30 - 09:45** Inhibitory activities of Chinese propolis on alpha-glucosidase and ended glycosylation products
Hongcheng Zhang - *China*
- 09:45 - 10:00** Propolis Modulates Immune Responses and delays Diabetes Progression in NOD Mice: Preliminary Findings
Magni Steintún - *Denmark*
- 10:00 - 10:15** Therapeutic Effects of Bee Venom on Hyperglycemia and Kidney Dysfunction in Alloxan-Induced Diabetic Rabbits
Khulan Tserennadmid - *Mongolia*
- 10:15 - 10:30** Work Application of Propolis Ethanol Extract and Ointment for a Leg with Gangrene – 5 other case reports
Plamen Kolev Entchev - *Bulgaria*

SEPTEMBER 25th, 2025 - Thursday

HALL A2 09:00 - 10:30 SYMPOSIUM / BEEKEEPING FOR RURAL DEVELOPMENT Building Rural Economies through Diverse Beekeeping Approaches Moderators: Cathy Benham & Colleen Quinn

- 09:00 - 09:15** Taking an Industry Approach to Beekeeping Development
William Van Blyderveen - *United Kingdom*
- 09:15 - 09:30** Empowering Indigenous Peoples' Communities through Sustainable Beekeeping and Native Bee Honey Harvesting
Anna Locsin - *Philippines*
- 09:30 - 09:45** Meliponiculture - An Additional Income in South India
Daisy Thomas - *India*
- 09:45 - 10:00** Improved Harvesting of Wild Honey from Tree Hives without Burning the Bees and Nest to Produce Quality Honey
Emmanuel Dacosta Aboagye - *Ghana*
- 10:00 - 10:15** Beekeeping Development in Ethiopia; a Twelve Year Review of Practice and Impact
Getsh Kassa - *Ethiopia*
- 10:15 - 10:30** Unlocking Opportunities for Sustainable Beekeeping in Project-Affected Communities
Kai Hichert - *South Africa*



SEPTEMBER 25th, 2025 - Thursday

AUDITORIUM 15 WORKSHOP
09:00 - 10:30 VETERINARY FOCUS: Bee Health, Welfare & Public Health 2025
Moderators: Violeta Santrac & Franco Mutinelli & Fani Hatjina

SEPTEMBER 25th, 2025 - Thursday

HALL A3 ROUND TABLE / AFRICA-1
09:30 - 10:30

SEPTEMBER 25th, 2025 - Thursday

AUDITORIUM 11 WORKSHOP
09:30 - 10:30 WG12 on Data Standardisation
Moderator: Noa Simon - Delso

10:30 - 11:00 BREAK

SEPTEMBER 25th, 2025 - Thursday

HALL A1 MAIN SYMPOSIUM
11:00 - 13:00 Bridging Research and Practice
Moderators: Lotta Fabricius Kristiansen & Amy Vu

- 11:00 - 11:30** Strengthening beekeeping through bridging research and practice: Building a resilient Knowledge and Innovation System
Lotta Fabricius Kristiansen - Sweden & Amy Vu - USA
- 11:30 - 11:45** Working with small-scale beekeepers to develop successful honey bee businesses
Mary Bammer - USA
- 11:45 - 12:00** How science supports honey bees: Identification of research on best practices in beekeeping
Kristina Gratzner - Austria
- 12:00 - 12:15** Comparison of student learning attitudes, knowledge, and outcomes towards honey bees in online or in-person instructional environments
Cameron Jack - USA
- 12:15 - 12:30** Austrian beekeepers' current attitudes, utilization, and feedback on digital tools for beekeeping and ongoing digital transformation opportunities
Dirk Louis P. Schorkopf - Austria



- 12:30 - 12:45** The Synergy of Sustainable Selection: Interlacing Sustainable Management Practices, Epigenetics and Adaptive Bee Breeding for Changing Climes & Times
Melanie Margarita Kirby - USA
- 12:45 - 13:00** An AI chatbot as a dependable and trustworthy beekeeping advisor: present-day reality or still wishful thinking?
Linda Morawetz - Austria

SEPTEMBER 25th, 2025 - Thursday

HALL A2 SYMPOSIUM / BEE HEALTH

11:00 - 13:00 Focus On Foulbrood

Moderators: Eva Forsgren & Jean-Daniel Charrière

- 11:00 - 11:15** Official Monitoring of American Foulbrood in Saxony 2019 - 2023
Michael Hardt - Germany
- 11:15 - 11:30** A rapid diagnosis of American and European foulbrood in one test kit
Sandra Ehrenberg - Germany
- 11:30 - 11:45** Newly isolated bacteria increase the survival of honeybee larvae infected with *Paenibacillus* larvae
Li Zhang - China
- 11:45 - 12:00** The Foster AFB Method: rapid detection of clinical American Foulbrood through non-invasive hive sampling and DNA quantification via qPCR
John Mackay - New Zealand
- 12:00 - 12:15** A Rapid and Early Detection Method for *Paenibacillus* larvae Spores: Advancing AFB Diagnosis and Hive Protection
Ana Oliveira - Portugal
- 12:15 - 12:30** *Paenibacillus melissococcoides*: the discovery of a new bacterium associated with a honey bee brood disease
Benjamin Dainat - Switzerland
- 12:30 - 12:45** Pros and Cons of Diagnostic Tests Used for Early Detection and Risk Assessment of American Foulbrood in Small and Large Beekeeping Operations
Elemir Simko - Canada
- 12:45 - 13:00** Disinfection and antimicrobial management of European foulbrood disease reservoirs
Sarah C. Wood - Canada



SEPTEMBER 25th, 2025 - Thursday

AUDITORIUM 15 SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY

11:00 - 13:00 **Bee Products Quality, Safety and Standardization**

Moderators: Andresa Berretta & M^a Teresa Sancho

- 11:00 - 11:15 Evaluation of total phenolic compounds profile and antioxidant activity of propolis extracts: effect of extraction solvent
Ghaida Mustafa - *United Kingdom*
- 11:15 - 11:30 Analysis of aroma-active compounds in propolis from different climate regions in Croatia and Bavaria
Astrid Sarapa - *Germany*
- 11:30 - 11:45 Characterization of Slovenian royal jelly
Jasna Bertoneclj - *Slovenia*
- 11:45 - 12:00 Absolute Quantification of Major Royal Jelly Protein Variants and Simultaneous Adulterant Identification to Assess Royal Jelly Product Quality and Authenticity
Ismail Emir Akyildiz - *Turkiye*
- 12:00 - 12:15 Exploring Bee Pollen Microencapsulation as a Strategy for Food Preservation: Extending Shelf Life and Mitigating Food Waste
Seymanur Ertosun - *Portugal*
- 12:15 - 12:30 Beeswax quality: the entry root of pesticides through pollen
Christina Kast - *Switzerland*
- 12:30 - 12:45 Hydrolysis for Drone pupa (*Apis mellifera* L.) Utilization
Gyutae Park - *Republic of Korea*
- 12:45 - 13:00 The Effect of Honeybee Genotype on the Quality and Protein Content of Bee Venom Collected From Different Geographical Regions of Türkiye
Ekin Varol - *Turkiye*

SEPTEMBER 25th, 2025 - Thursday

HALL A3 **ROUND TABLE / AFRICA-2**

11:00 - 13:00

SEPTEMBER 25th, 2025 - Thursday

AUDITORIUM 11 **ROUND TABLE / Breeding for Varroa Resistance**

11:00 - 13:00 *Moderators: Per Kryger & Ralph Buehler*

Why do not all beekeepers have varroa resistant bees? What traits are involved? Under what conditions does resistance evolve? What is holding us back? Do we need more educational tools?

Barbara Locke, Fanny Mondet, Pierre Giovenazzo, Steve Pernal, Steve Riley, Torsten Ellmann, Stefan Mandl, Stephen Martin

13:00 - 14:30 **LUNCH - POSTERS & FAO and Multistakeholders' Meeting (Restricted Meeting)**
Bee Health / Beekeeping Technology & Quality posters will be presented.



SEPTEMBER 25th, 2025 – Thursday

HALL A1 **SYMPOSIUM / BEE HEALTH**
14:30 - 16:30 **Bridging Research and Practice**
Moderators: Lotta Fabricius Kristiansen & Amy Vu

- 14:30 - 14:45** Taking the sting out of honey bee medicine: training and tools for veterinarians
Meghan Milbrath - USA
- 14:45 - 15:00** ImBieSax - implementation and testing of a veterinary specialist counselling on bee health for beekeepers in Saxony
Julia Dittes - Germany
- 15:00 - 15:15** Long-term learning programs greatly improve queen production and quality
Robyn M Underwood - USA
- 15:15 - 15:30** Brazilian Bee Observatory: Hive Monitoring as an Indicator of the Sustainability of Brazilian Agriculture
Betina Blochtein - Brazil
- 15:30 - 15:45** Crucial necessity of a revolution in bee health practices in beekeeping of Iran
Pegah Valizadeh - Iran
- 15:45 - 16:00** Empowering beekeepers and their communities: educational strategies for mitigating pesticide risks to pollinators
Jennifer Bryan Goforth - USA
- 16:00 - 16:15** Healthy Bees - a serious game for improved honey bee health
Lotta Fabricius Kristiansen - Sweden
- 16:15 - 16:30** Bee Aware Science: Ten Scientific Article Highlights Every Month
Sébastien Hoffmann - France

SEPTEMBER 25th, 2025 – Thursday

HALL A2 **SYMPOSIUM / POLLINATION & BEE FLORA**
14:30 - 16:30 **Pollinator-friendly Rural Landscapes and Pollinator-friendly cities**
Moderator: Yoko L. Dupont

- 14:30 - 14:45** Are Latvian apple orchards a good habitat for wild bee species?
Janis Gailis - Latvia
- 14:45 - 15:00** Smaller Bees in the City? Understanding the Influence of Urbanization in an orchid bee species
Amanda Machado - Brazil
- 15:00 - 15:15** Flowers for Bees
Björn Anders Gustavsson - Sweden



- 15:15 - 15:30** Bees' Eating Habits and Competition Uncovered using Cameras and DNA
Hjalte Calberg Ro-Poulsen - *Denmark*
- 15:30 - 15:45** Monitoring Bumblebee Queens through Citizen Science in Slovenia
Danilo Bevk - *Slovenia*
- 15:45 - 16:00** Honey bees are generalist pollinators, but the bulk of pollen supply was from less than 20 plants in rural-urban mosaic landscapes in Denmark
Yoko L. Dupont - *Denmark*
- 16:00 - 16:15** Large-scale flowering initiatives (>1000 ha) have a significant impact on pollinator diversity and abundance
Michel Bocquet - *France*
- 16:15 - 16:30** CODABEILLES: A CO1 barcode reference library for monitoring wild bees of France (Apoidea: Anthophila)
Anaïs Marquisseau - *France*

SEPTEMBER 25th, 2025 - Thursday

AUDITORIUM-15 SYMPOSIUM / APITHERAPY

14:30 - 16:30 Biological Effects of Bee Products

Moderators: Mirela Valentina Strant & Thomas M. Gloger

- 14:30 - 14:45** Antibacterial activity of honey in wound and oral environments: the latest *in vitro* findings
Juraj Majtan - *Slovakia*
- 14:45 - 15:00** Anti-inflammatory activity of polyphenol-rich compounds from poplar-type propolis using an optimized extraction method
Meifei Zhu - *China*
- 15:00 - 15:15** Phenolic Compounds in Propolis Collected from an African and an Asian Region and Their Impact on Antioxidant and Antibacterial Activities
Soumaya Touzani - *Morocco*
- 15:15 - 15:30** Anatolian Propolis as a Natural Remedy for Allergic Rhinitis: A Combined Turkish and European Study
Aslı Elif Tanuğur Samancı - *Türkiye*
- 15:30 - 15:45** Assessment In-vivo effect of the binary mixture of Moroccan propolis and *Olea europaea* leaf extracts on type 2 diabetes induced by fructose and streptozotocin in rats: formulation by design of experiments (DOE)
Badiaa Lyoussi - *Morocco*
- 15:45 - 16:00** Functional Food Mixture Containing Green Propolis EPP-AF® Extract and Turmeric in Hemodialysis Patients: Preliminary Evidence of Uremic Toxin Modulation and Antioxidant Response
Andresa A. Berretta - *Brazil*
- 16:00 - 16:15** The local and systemic immune response after uterine infusion of propomiel in dairy cows
Rejean Cleophas Lefebvre - *Canada*
- 16:15 - 16:30** Supercritical CO₂ extracts of propolis inhibits tumor proliferation and Enhances the immunomodulatory activity via activating the TLR4-MAPK/ NF-κB signaling pathway
Yu Zhang - *China*



SEPTEMBER 25th, 2025 - Thursday

HALL A3
14:30 - 16:30 **ROUND TABLE**
Analytical Tools to Fight Honey Fraud
Moderator: Etienne Bruneau

SEPTEMBER 25th, 2025 – Thursday

AUDITORIUM 11 **GLOBAL HONEY TALKS**
14:30 - 16:30 *Moderator: C. Marina Marchese*

- 14:30 - 15:00** Raising concerns on possible fall-outs of organic acaricides in honey affecting quality
Raffaele Dall'Olio – *Italy*
- 15:00 - 15:30** Beekeeping in the Arctic region
Einar Johansen - *Norway*
- 15:30 - 16:00** Harvesting beehive products for personal use
Alexandra de Paoli - *France/Sweden*
- 16:00 - 15:30** Honey Optimising Methods - Using chemical profiling and digital sensory as quality guideline in honey processing
Mathias Lundgren - *Sweden*

SEPTEMBER 25th, 2025 - Thursday

HALL A1
17:00 - 18:30 **SYMPOSIUM / BEE HEALTH**
Updates on SHB and Tropilaelaps
Moderators: Peter Neumann & Dan Aurell

- 17:00 - 17:15** Not a numbers game – small hive beetle infestations in honeybee host colonies
Aura K Palonen - *Switzerland*
- 17:15 - 17:30** Use of RNA interference to silence target genes of "Aethina tumida", an invasive pest species of apiaries
Salvatore Arpaia - *Italy*
- 17:30 - 17:45** Impact of EU regulation on Honey Bee Health: the case of Aethina tumida in Italy
Michela Bertola - *Italy*
- 17:45 - 18:00** Small hive beetle reproduction in association with honeybee colonies
Peter Neumann - *Switzerland*
- 18:00 - 18:15** An *in vitro* investigation into the survival of *Tropilaelaps mercedesae* on a range of matrices
Maggie C Gill - *United Kingdom*
- 18:15 - 18:30** Environmental DNA as a detection approach for Tropilaelaps mites
Dan Aurell - *USA*



SEPTEMBER 25th, 2025 - Thursday

HALL A2 SYMPOSIUM / POLLINATION & BEE FLORA

17:00 - 18:00 **Crop Pollination**
Moderator: Lucas Garibaldi

- 17:00 - 17:15** Managed pollinators essential for offsetting the declining contribution of native pollinators to fruit yield stability due to changes in breeding-mediated flower traits
Bin Yuan - *China*
- 17:15 - 17:30** Increased pollination activity by honey bee colonies managed in thermodynamic hives
Gianmario Riganti - *Italy*
- 17:30 - 17:45** Enhancing agricultural productivity through applied pollination: a large-scale study in tropical crops
Andresa Berretta - *Brazil*
- 17:45 - 18:00** Honey efficiency of currently cultivated winter oilseed rape cultivars in Poland
Zbigniew Koltowski - *Poland*

SEPTEMBER 25th, 2025 - Thursday

AUDITORIUM 15 SYMPOSIUM / BEE BIOLOGY

17:00 - 18:30 **Nutrition, Microbiome and other interactions-1**
Moderators: Per Kryger & Raquel De Sousa

- 17:00 - 17:15** Dietary omega-6:3 fatty acids ratio affects honey bee (*Apis mellifera*) spatial cognition: maze and landmark learning
Sharoni Shafir - *Israel*
- 17:15 - 17:30** Effect of vitamin A and nutraceuticals on learning, memory retention, and foraging behavior of honey bees (*Apis mellifera*)
Ernesto Guzman-Novoa - *Canada*
- 17:30 - 17:45** Effects of various fall feeding sugar sources on survival, health, and performance of honey bee colonies (*Apis mellifera* L.)
Laurence Plamondon - *Canada*
- 17:45 - 18:00** Influence of different diets on the growth and development of Eastern honey bee *Apis cerana*
Guiling Ding - *China*
- 18:00 - 18:15** Honey bee selection for sustainable and high-quality royal jelly production
Benjamin Basso - *France*
- 18:15 - 18:30** Variations in amino acid and lipid profiles of honey bee hemolymph and gut microbiome composition in response to different dietary protein sources
Kristýna Myslínová - *Czech Republic*



SEPTEMBER 25th, 2025 - Thursday

HALL A3 **ROUND TABLE**
17:00 - 18:30 **Looking at Economic Anomalies in the Honey Market**
Moderators: Miguel Vilas-Boas & Norberto Garcia

SEPTEMBER 25th, 2025 - Thursday

AUDITORIUM 11 **WORKSHOP**
17:00 - 18:30 **Alternative Hive Designs, Affordable and Sustainable Solutions**
Moderator: Megan Denver

This workshop will present a range of hive designs that promote bee health and support sustainable livelihoods. The session will include examples from different regions and input from experienced beekeepers and rural development project managers. Audience participation is encouraged and there will be time for questions and sharing perspectives.

Presenters

Janet Lowore - *United Kingdom*

Chris Keywood - *South Africa*

Robert Mutisi - *Zimbabwe*

William Van Blyderveen - *Canada*

Tucka Saville - *USA*

Isaac Mbroh - *Ghana*

Tomasz Dzierżanowski - *Poland*



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ROUNDTABLE

PATHWAYS TO RESTORING BEEKEEPING AFTER BEE LOSSES

due to Natural Disasters, Catastrophes, Poisonings, and Military Actions

26 September 2025

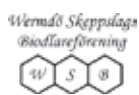
from 11:00 to 15:00 hrs

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