



APIMONDIA

SCANDINAVIA

SWEDEN | DENMARK | NORWAY
23-27 SEPTEMBER

2025



COPENHAGEN



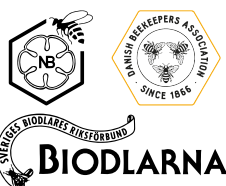
Bee United in Scandinavia!

PROGRAM BOOK

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Welcome, old friends and new friends to the 49th International Apimondia Congress in Copenhagen.

Welcome to a wonderful city and venue, the Bella Center, in what has been suggested by the Local Organizing Committee (LOC) as; the “best Apimondia” ever. I can tell you that the LOC has indeed worked hard to make this congress full of both fun and information and to have a strong social aspect. But this also depends on you, the participant. Please take advantage of the talks and workshops, visit the ApiExpo to see the latest bee related items from across the globe. And finally, have fun, enjoy meeting new people and getting out in the city and on the technical tours.

We have many honey related workshops and talks and the LOC has put together a regional honey map to highlight some unique regional honeys. Also, a visit to the Honey Bar will allow you to taste honeys from across the globe and talk with the beekeepers who produced it.

Please enjoy the Apimondia Congress and I thank the Apimondia team, Conmark and the Local Organizers for all the hard work to make this meeting possible. If you come away from this Congress with a new friend or two, some new knowledge and have had fun; then we have succeeded. Thank you.

Jeff Pettis

Apimondia President



Dear Beekeepers and all other friends of our bees,

It is my great pleasure, on behalf of the beekeepers of Scandinavia, to welcome you to **Apimondia 2025 in Copenhagen**. This congress is organized in collaboration between the three beekeeping associations in Sweden, Norway and Denmark.

In the local organizing committee, we have strived to make Apimondia 2025 a truly social congress - one where beekeepers can meet fellow beekeepers, exchange experiences, build networks, and create friendships across the many countries and traditions that we represent.

The congress will feature all the well-known elements from previous Apimondia gatherings, including the WBA (though without the honey competition), ApiExpo, the Scientific Program, and a wide range of tours across our three countries.

To further strengthen the social aspect and give you, as a participant, an even richer experience, we have introduced several new features for this congress:

- **Honey Talks** - inspiring lectures with honey in focus
- **Scandinavian Honey Bar** - a presentation of honey diversity from our three countries
- **Global Honey Bar** - discover the aromas, flavors and stories of honeys from around the world
- **Opening Reception** - taste Scandinavian mead and mingle with your colleagues
- **Speakers' Corner** - an open space for free expression and dialogue
- **Honey & Apiary Menus** - selected restaurants in Copenhagen will offer special menus for congress participants
- **Beebonding.com** - a platform where visiting beekeepers can connect directly with Scandinavian beekeepers for home hospitality, accommodation, and a variety of activities
- **Honey Pot** - an informal evening gathering in a central Copenhagen bar, where we can unwind and reflect on the day's experiences over a discounted drink

Denmark, Norway, and Sweden share a history that stretches back hundreds of years to the Viking Age. Today, we are three independent kingdoms with our own cultures and traditions, yet close enough in language and spirit to easily understand one another.

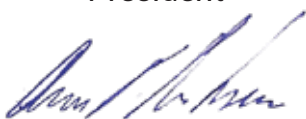
Scandinavian beekeeping is as diverse as our geography - ranging from Denmark's fertile farmland, via Sweden's vast forests, to Norway's arctic mountains, spanning nearly 2,500 kilometers from Southern Denmark to the far north of Norway.

We hope you will enjoy exploring this wide variety of beekeeping landscapes and products, and that you will return home with new knowledge, inspiration, and unforgettable memories - not only from the congress, but also from your encounters with our three countries.

Best regards

On behalf of the Local Organizing Committee

Arne T. Henriksen
President



Viktoria Bassani
Vice President



Alexander Du Rietz
Vice President



APIMONDIA

SCANDINAVIA 2025

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Bee Biology Commission

Bee Health Commission

Beekeeping Economy Commission

Pollination and Bee Flora Commission

Rural Development Commission

Technology and Quality Commission

Africa Commission

Americas Commission

Asia Commission

Europe Commission

Oceania Commission

OTHER MEMBERS

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ALEXANDER DU RIETZ / Norway Board member, Norwegian Beekeepers Association

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APIMONDIA SCIENTIFIC COMMITTEE

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Apitherapy
Bee Biology
Beekeeping Economy
Beekeeping For Rural Development
Bee Health
Beekeeping Technology And Quality
Pollination And Bee Flora

LOCAL SCIENTIFIC COMMITTEE

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Apitherapy
Bee Biology
Beekeeping Economy
Beekeeping For Rural Development
Bee Health
Beekeeping Technology And Quality
Pollination And Bee Flora

INVITED SPEAKERS

DIETRICH KLINGHARDT / Germany
CARLOS MARTIN OVILO / Spain
STEPHAN SCHWARZINGER / Germany
LOTTA FABRICIUS KRISTIANSEN / Sweden
AMY VU / USA
LARS CHITTKA / United Kingdom
FANNY MONDET / France
MMABATHO PORTIA MORUDI / South Africa
INGOLF STEFFAN-DEWENTER / Germany

Quality Assured Bee Products / September 24th
Quality Assured Bee Products / September 24th
Quality Assured Bee Products / September 24th
Bridging Research And Practice / September 25th
Bridging Research And Practice / September 25th
Animal Welfare From A Beekeeping Perspective / September 26th
Animal Welfare From A Beekeeping Perspective / September 26th
Beekeeping In Challenging Conditions / September 27th
Beekeeping In Challenging Conditions / September 27th



GENERAL INFORMATION

REGISTRATION

Registration Desks will be in service as below:

22 September	11:00 - 19:00
23, 24, 25, 26, 27 September	08:30 - 18:30

NAME BADGE

All participants and accompanying persons are kindly requested to wear their name badges throughout the Congress to be able to participate in the scientific sessions, exhibition and all other scheduled activities.

EXHIBITION

Exhibition will take place in the Hall D of Bella Center on below dates:

23 September	13:00 - 19:00
24, 25, 26, 27 September	09:00 - 19:00

INTERNET SERVICE

Free Wi-Fi service named "LYSON" is available in the Congress Venue.

CERTIFICATE

Participants will be able to receive their Certificate of Attendance in digital format via congress web page after the congress by completing the survey.

ABSTRACT BOOK

Abstract Book will be finalised and uploaded to Apimondia & Congress Web Page after the congress. All abstracts are available in the Congress Mobile Application.

TRAVEL PASS

Copenhagen's Official Travel Pass is available on the congress web page with a discounted rate of saving up to 80%.

LIABILITY AND INSURANCE

Registration fees do not include the insurance of participants against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions. Participants are advised to take out adequate personal insurance to cover travel, accommodation, cancellation and personal effects. Congress organisers cannot accept liability for personal injuries sustained, or for loss or damage of property belonging to meeting participants, either during or as a result of the meeting.

SOCIAL MEDIA

 ApimondiaScandinavia  apimondiabees  apimondia



PROGRAM INFORMATION

LANGUAGE

Congress Language is English. Simultaneous translation in English, Spanish and Scandinavian will be available in the Opening & Closing Ceremonies of the Congress.

Scandinavian translation will be available in all rooms except Auditorium 11.

In addition to Scandinavian, German translation will be available in Room A1.

WORKSHOPS & ROUND TABLES

Workshops and Round Tables that will be organised in Auditorium-11 is open to all congress participants including the ApiExpo registrations.

World Cafè on Resilient Beekeeping session that will be organised on September 26th between 14:30 – 16:30 is limited to 150 participants. Registration is needed. Scan QR to register.



Pollen Identification Workshop is a free workshop but registration is needed.

GLOBAL HONEY TALKS

Global Honey Talks will be organised in Auditorium-11 on September 25th, 26th and 27th. Sessions are open to all congress participants including the ApiExpo registrations.

POSTER SESSIONS

Bee Health & Beekeeping Technology and Quality

On September 24th, 25th from 13:30 to 14:30

Apitherapy & Bee Biology & Beekeeping Economy & Beekeeping for Rural Development & Pollination and Bee Flora & "Bridging Research and Practice"

On September 26th, 27th from 13:30 to 14:30

A students' poster award will be announced as one per scientific commission. The best Students' Poster Award will be a recognition that will be announced at the closing ceremony.

WORLD BEEKEEPING AWARDS

Award Ceremony will be organised on September 27th, in Hall A2, at 15:30.

SCREENING

Buzz of Transformation:

On September 24th, in Auditorium - 15, from 13:30 to 14:30

On September 26th, in Auditorium - 15, from 13:30 to 14:30

The Copenhagen Propolis Initiative:

On September 27th, in Auditorium - 15, from 13:30 to 14:30

MOBILE APP

Don't forget to download the mobile app to follow the congress program and latest news.



PROGRAM AT A GLANCE

SEPTEMBER 23rd, 2025

Opening Ceremony	16:30 - 18:00	Hall A
Welcome Reception	18:00 - 20:00	Main Foyer
Exhibition Opening	13:00	Hall D
Exhibition	13:00 - 19:00	Hall D

SEPTEMBER 24th, 2025

Congress Sessions / Lectures	09:00 - 18:30	Congress Center / 4 Parallel Halls
Apimondia General Assembly	17:30 - 19:00	Auditorium15
Exhibition	09:00 - 19:00	Hall D

SEPTEMBER 25th, 2025

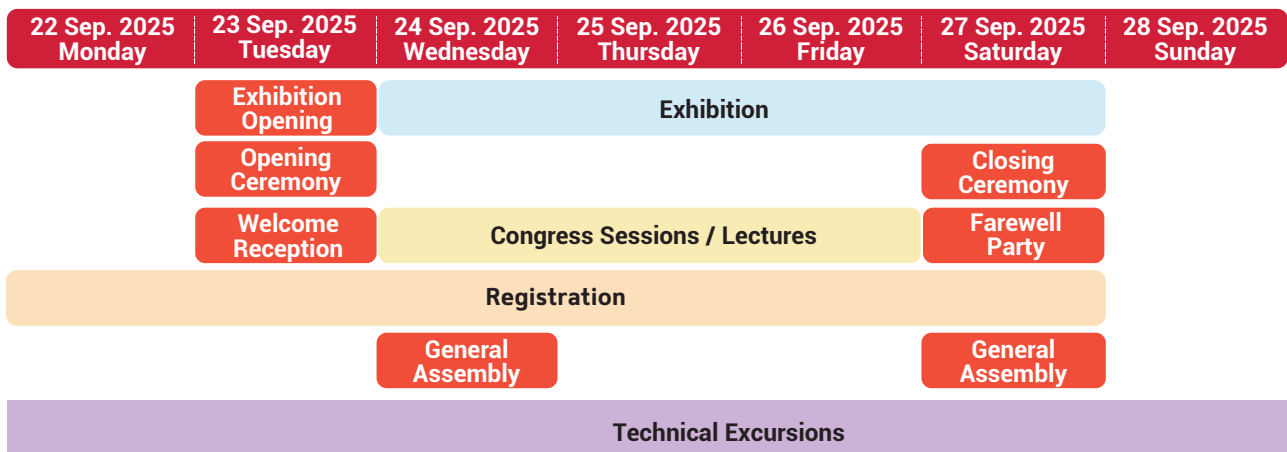
Congress Sessions / Lectures	09:00 - 18:30	Congress Center / 5 Parallel Halls
Exhibition	09:00 - 19:00	Hall D

SEPTEMBER 26th, 2025

Congress Sessions / Lectures	09:00 - 18:30	Congress Center / 5 Parallel Halls
Exhibition	09:00 - 19:00	Hall D

SEPTEMBER 27th, 2025

Congress Sessions / Lectures	09:00 - 17:00	Congress Center / 5 Parallel Halls
Exhibition	09:00 - 17:00	Hall D
WBA Award Ceremony	15:30 - 16:30	Hall A2
Closing Ceremony	17:00 - 18:00	Hall A1
Farewell Party	18:00 - 19:00	Hall A1 + Foyer



LYSON

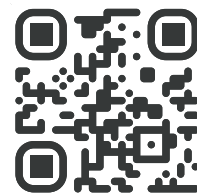
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CONGRESS PROGRAM



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 <i>Apis dorsata</i> 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 Danihlák

- 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 Danihlák - *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 Schwarzinger - Germany
- 12:30 - 12:45 Determining the Geographic Origin of American Honey: 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. mellifica*e 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

SYMPOSIUM / BEE HEALTH

17:00 - 18:30

Food Supplements and Bee Health

Moderators: Pilar De la Rúa & 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 Rúa - Spain



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
WORKSHOP†	Alternative Hive Designs, Affordable and Sustainable Solutions	AUDITORIUM 11	17:00 - 18:30





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SEPTEMBER 25th, 2025 - Thursday

HALL A1 SYMPOSIUM / APITHERAPY 09:00 - 10:30 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 SYMPOSIUM / BEEKEEPING FOR RURAL DEVELOPMENT 09:00 - 10:30 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 Buechler*

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** CODABELLES: A CO1 barcode reference library for monitoring wild bees of France (Apoidea: Anthophila)
Anaïs Marquiseau - *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 - *Turkiye*
- 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 **ROUND TABLE**
14:30 - 16:30 **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 **SYMPOSIUM / BEE HEALTH**
17:00 - 18:30 **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 Myslíňová - 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

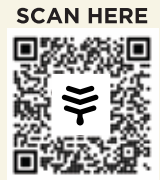
Janet Lowore - *United Kingdom*
Chris Keywood - *South Africa*
Robert Mutisi - *Zimbabwe*
William Van Blyderveen - *Canada*
Tucka Saville - *USA*
Isaac Mbroh - *Ghana*
Tomasz Dzierżanowski - *Poland*



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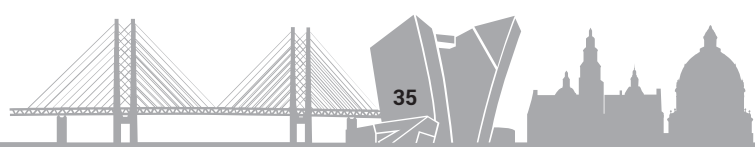
ROUNDTABLE
PATHWAYS TO RESTORING
BEEKEEPING AFTER BEE LOSSES

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


26 September 2025
 from 11:00 to 15:00 hrs
 Bella Center, first floor (Room 2)



HELP
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SEPTEMBER 26TH, FRIDAY

COMMISSION	SYMPOSIUM TITLE	HALL	TIME
BEE BIOLOGY	Nutrition, Microbiome and other interactions-2	A1	09:00 - 10:30
BEE HEALTH	Resistance to Varroa	A2	09:00 - 10:30
BEEKEEPING FOR RURAL DEVELOPMENT	Expanding Access to Beekeeping: Inclusion, Innovation, and Unique Environments	AUDITORIUM 15	09:00 - 10:30
ROUND TABLE	Beekeeping in EU Countries	A3	09:00 - 10:30
	GLOBAL HONEY TALKS	AUDITORIUM 11	09:00 - 10:30
MAIN SYMPOSIUM	Animal Welfare from a Beekeeping Perspective	A1	11:00 - 13:00
BEEKEEPING FOR RURAL DEVELOPMENT	Empowering Women and Youth Through Beekeeping	A2	11:00 - 13:00
BEEKEEPING TECHNOLOGY & QUALITY	Sustainable and Practical Beekeeping Under Climate Challenges	AUDITORIUM 15	11:00 - 13:15
WORKSHOP	B-THENET	A3	11:00 - 13:00
	GLOBAL HONEY TALKS	AUDITORIUM 11	11:00 - 13:00
BEEKEEPING TECHNOLOGY & QUALITY	Honey Quality and Geographical Identity-2	A1	14:30 - 16:30
BEE BIOLOGY	Stingless and other bees 2	A2	14:30 - 16:30
APITHERAPY	Compositions of Bee Products	AUDITORIUM 15	14:30 - 16:30
WORLD CAFÈ ON RESILIENT BEEKEEPING	Scan QR Code to register. Limited to First 150 Registered Participants 	A3	14:30 - 16:30
	GLOBAL HONEY TALKS	AUDITORIUM 11	14:30 - 16:30
POLLINATION & BEE FLORA	Bee Flora	A1	17:00 - 18:00
BEE HEALTH	Honey Bee Viruses	A2	17:00 - 18:30
BEEKEEPING ECONOMY	Beekeeping Economy-2	AUDITORIUM 15	17:00 - 18:30
ROUND TABLE	Beekeeping in non-EU Countries and Central Asia	A3	17:00 - 18:30
WORKSHOP	Tropilaelaps	AUDITORIUM 11	17:00 - 18:30



SEPTEMBER 26th, 2025 - Friday

HALL A1 09:00 - 10:30 SYMPOSIUM / BEE BIOLOGY Nutrition, Microbiome and other interactions-2 Moderators: Rui Goncalves & Jessica Beroga-Barbecho

- 09:00 - 09:15 The young and stressed making bad decisions: Effects of *Vairimorpha ceranae* on worker honey bee (*Apis mellifera*) foraging behaviours
Jemma Todoschuk - Canada
- 09:15 - 09:30 Microbial Community Profiling of *Tetragonula biroi* (Friese) Hives: Insights from Pollen-Microbiome Interactions
Kiara Nicole Rodriguez - Philippines
- 09:30 - 09:45 Mitigating the deficiency of high-quality floral pollen through a new approach to honey bee rearing with artificial pollen diet containing animal protein
Bajaree Chuttong - Thailand
- 09:45 - 10:00 Dual effect of S-methyl-L-cysteine sulfoxide from rapeseed nectar on honey bee health
Jaroslav Havlík - Czech Republic
- 10:00 - 10:15 Morphometric and genetic diversity of Philippine stingless bees
Jessica B. Baroga-Barbecho - Philippines
- 10:15 - 10:30 Overwintering Strategies for Honey Bees in the Yukon Subarctic: A Data-Driven Analysis
Etienne Tardif - Canada

SEPTEMBER 26th, 2025 - Friday

HALL A2 09:00 - 10:30 SYMPOSIUM / BEE HEALTH Resistance to Varroa Moderators: Ralph Büchler & Stephen Martin

- 09:00 - 09:15 Open source Varroa resistance through breeding selection
Paul J P Jungels - Luxembourg
- 09:15 - 09:30 EurBeSt study on varroa resistance and relevant selection criteria in European honey bees
Ralph Büchler - Germany
- 09:30 - 09:45 The Good, the Bad and the Ugly: Insights and trends from a 20-year natural selection experiment on disease resistance in Gotland, Sweden
Barbara Locke Grandér - Sweden
- 09:45 - 10:00 Predicting the impact of Varroa under climate change: An individual based modelling approach
Hollie Pufal - United Kingdom
- 10:00 - 10:15 Co-evolution of honey bees, varroa and beekeepers over 15 years in Hawaii
Stephen Martin - United Kingdom
- 10:15 - 10:30 Varroa destructor infestation levels can be predicted by brood cell recapping rate and mite non-reproduction in honeybee colonies (*Apis mellifera*)
Marie-Lou Morin - Canada



SEPTEMBER 26th, 2025 - Friday

AUDITORIUM 15 SYMPOSIUM / BEEKEEPING FOR RURAL DEVELOPMENT

09:00 - 10:30 **Expanding Access to Beekeeping: Inclusion, Innovation, and Unique Environments**
Moderators: *Megan Denver & Jorik Phillips*

- 09:00 - 09:15 Inclusive Beekeeping for Persons with Disabilities and Women in Uganda
Agwang Florence Hope - *Uganda*
- 09:15 - 09:30 BeeAutism: Individuals with Autism Spectrum Disorder have been Trained to Become Professional Beekeepers in Greece
Alexandros Papachristoforou - *Greece*
- 09:30 - 09:45 Prison Beekeeping Programs in the State of Georgia, USA
Julia Mahood - *USA*
- 09:45 - 10:00 Natural beekeeping in an industrial environment
Tucka Saville - *USA*
- 10:00 - 10:15 Engaging Youth and Children in Beekeeping through the Honeyway Initiative: a Model for Education Sustainability and Community Empowerment
Volha Haurlyk - *Belarus*
- 10:15 - 10:30 How to Make Beekeeping Accessible and Attractive to the African Youth
Janet Lowore - *United Kingdom*

SEPTEMBER 26th, 2025 - Friday

HALL A3 ROUND TABLE / Beekeeping in EU Countries

09:00 - 10:30 Moderator: *Robert Chlebo*
with Representatives from **EBA, EPBA, BeeLife, Apislavia, COPA-COGECA, FAO**

SEPTEMBER 26th, 2025 - Friday

AUDITORIUM 11 GLOBAL HONEY TALKS

09:00 - 10:30 Moderator: *Madvee Muthu*

- 09:00 - 09:30 Honey Authentication and Quality: The New Zealand Manuka Honey Story, where Science meets Organoleptic Sensory Analysis
Maureen Conquer - *New Zealand*
- 09:30 - 10:00 Unveiling the Uniqueness: Stingless Bee Honey Quality and Sensory Profiles Across Species and Landscapes
Orawan Duangphakdee - *Thailand*
- 10:00 - 10:30 Judging Honey: An exploration into different systems of Honey Judging
Gino Jabbar - *Scotland*



SEPTEMBER 26th, 2025 - Friday

HALL A1 **MAIN SYMPOSIUM / Animal Welfare from a Beekeeping Perspective**
11:00 - 13:00 **Bee Health & Bee Biology**
Moderators: Gennaro Di Prisco & Fani Hatjina & Per Kryger & Eva Forsgren

- 11:00 - 11:30** The Mind of a Bee
Lars Chittka - *United Kingdom*
- 11:30 - 12:00** Improving honey bee resilience to varroa: what we can learn from nature to inspire beekeeping practices
Fanny Mondet - *France*
- 12:00 - 12:15** Considering honey bee welfare to support sustainable beekeeping and honey bee protection
Lisa Dickel - *Sweden*
- 12:15 - 12:30** Safeguarding agroecosystems resilience under climate change through efficient pollination and sustainable beekeeping
Fani Hatjina - *Greece*
- 12:30 - 12:45** Alien species - European beekeeping under "siege"
Cecilia Costa - *Italy*
- 12:45 - 13:00** Enhancing Stingless Beekeeping in Thailand: Genetic Diversity, Artificial Queen Rearing, and Honey Processing
Atsalek Rattanawanee - *Thailand*

SEPTEMBER 26th, 2025 - Friday

HALL A2 **SYMPOSIUM / BEEKEEPING FOR RURAL DEVELOPMENT**
11:00 - 13:00 **Empowering Women and Youth Through Beekeeping**
Moderators: Cathy Benham & Colleen Quinn

- 11:00 - 11:15** Reviving Rural Economies Through Inclusive Beekeeping: Centering Women for Scalable Impact
Mmabatho Portia Morudi - *South Africa*
- 11:15 - 11:30** Beekeeping in Challenging Environments: Case Studies from Kenya and Ethiopia with a Focus on Women Beekeepers
Marta Panco - *Moldova*
- 11:30 - 11:45** Temporal Trends in the Brazilian State of São Paulo Meliponiculture: Woman participation, Shifting Geographies, and the Decline of Non-Native Species
Tiago Mauricio Franco - *Brazil*
- 11:45 - 12:00** Beekeeping Awareness: Training of Youth and Rural Women for Income and Employment Generation in Telangana, India
Indira Reddy Kudumula - *India*
- 12:00 - 12:15** Engaging Rural Youth in Beekeeping: a Pathway to Sustainable Livelihoods and Biodiversity Conservation among Indigenous Communities
Dhanshree Chavan - *India*
- 12:15 - 12:30** Building Youth Leadership in Indigenous Beekeeping: A Case from Chiuri-Based Honey Initiatives in Nepal
Dhurba Saub - *Nepal*



12:30 - 12:45 Beyond Educational Benefits: Integrating Stingless Beekeeping into School Activities Generated Additional Income
Panutda Yodsang - Thailand

12:45 - 13:00 The International Meeting of Young Beekeepers: a Unique Platform for Young Beekeepers to Meet and Compete
Jiri Piza - Czech Republic

SEPTEMBER 26th, 2025 - Friday

AUDITORIUM 15 SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY

11:00 - 13:15 Sustainable and Practical Beekeeping Under Climate Challenges

Moderators: Ole Kilpinen & Orawan Duangphakdee

11:00 - 11:15 Wilder, Wetter, and Warmer: Leveraging Extended-Range Forecasts for Climate Adaptation Among Beekeepers in Western Norway
Manuel Hempel - Norway

11:15 - 11:30 Establishment and Evaluation of Cooling Shelter for Protecting Honeybee Colonies During Summer Season Under Abu Dhabi Emirate Conditions
Safa Hashem Musaed - United Arab Emirates

11:30 - 11:45 Development of an economically resilient and climate-friendly beekeeping practice
Annely Brandt - Germany

11:45 - 12:00 Veterinary practice, antimicrobial resistance, and food safety in beekeeping
Violeta Santrac - Bosnia and Herzegovina

12:00 - 12:15 A Multicriteria Spatial Framework for Assessing Beekeeping Suitability: Application to a Portuguese Honey PDO Region
Carlos Silveira - Portugal

12:15 - 12:30 Genetic parameters for honey production in a small size and recently created bee breeding nucleus in France
Pierrick Haffray - France

12:30 - 12:45 What's the best queen ? It depends ! A fitness-based hybrid recommendation system for beekeepers
Nicolas Coallier - Canada

12:45 - 13:00 Field experiment to test food supplements for honey bee colonies. Can we expect significant results at a reasonable cost?
Michel Bocquet - France

13:00 - 13:15 The effects of supplementary diets on Thai commercial stingless bee (*Tetragonula pagdeni*)
Jakkrawut Maitip - Thailand



SEPTEMBER 26th, 2025 - Friday

HALL A3 WORKSHOP
09:30 - 10:30 B-THENET

SEPTEMBER 26th, 2025 - Friday

AUDITORIUM 11 GLOBAL HONEY TALKS
11:00 - 13:00 Moderator: Arlette Gómez Ortiz

- 11:00 - 11:30 The Terroir of Honey
Marina Marchese - USA
- 11:30 - 12:00 How to keep quality parameters in large scale honey production
Stefan Mandl - Austria
- 12:00 - 12:30 How is honey made - a tale of bees and flowers
Lars Fischer - Denmark
- 12:30 - 13:00 From Bee to Bottle: The impact of extraction practices on honey qualities
Stuart Anderson - Australia

13:00 - 14:30 LUNCH - POSTERS
Apitherapy / Bee Biology / Beekeeping Economy / Pollination and Flora / Rural Development / B-RAP posters will be presented.
The FILM "Buzz of Transformation" will be screened in Auditorium 15, from 13:30 to 14:30

SEPTEMBER 26th, 2025 - Friday

HALL A1 SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY
14:30 - 16:30 Honey Quality and Geographical Identity-2
Moderators: Andresa Berretta & Dražen Lušić

- 14:30 - 14:45 Determination of dynamic variation characteristics of flavor and aroma volatiles of chaste honey during natural ripening process using electronic nose, electronic tongue and GC-O-MS
Dandan Sun - China
- 14:45 - 15:00 Volatiles for the characterization of monofloral honeys
Karl Speer - Germany
- 15:00 - 15:15 The utmost importance of removing interferences for the proper analysis of glucose oxidase and catalase in honey
M. Teresa Sancho - Spain
- 15:15 - 15:30 Entomological signatures in honey: combining metabarcoding approaches to provide insights into plant-sucking insects that populate agricultural and forest landscapes
Valeria Taurisano - Italy



- 15:30 - 15:45** Quercus pyrenaica honeydew honey: production and characterization towards botanical origin assessment and valorization
Soraia I. Falcão - Portugal
- 15:45 - 16:00** Physicochemical properties of different honeys from Reunion Island
Jennyfer Yong-Sang - France
- 16:00 - 16:15** Chemical profiling of South African honey: establishment of a regional reference dataset for origin determination and adulteration identification
Cesarina Edmonds-Smith - South Africa
- 16:15 - 16:30** Integrated Palynological and Physicochemical Characterization of Tilia Honey
Deniz Canli - Turkiye

SEPTEMBER 26th, 2025 - Friday

HALL A2 **SYMPOSIUM / Bee Biology**
14:30 - 16:30 **Stingless and other bees 2**
Moderators: Jessica Beroğa-Barbecho & Özge Özden

- 14:30 - 14:45** Free-B: Studying free-living honey bee colonies to safeguard diversity, ensure resilience, and promote transformative change in beekeeping
Steve Rogenstein - Ireland
- 14:45 - 15:00** Genomic Analysis of Wild Bee Populations in Scandinavia Informs Biodiversity Conservation
Yuanzhen Liu - Denmark
- 15:00 - 15:15** Optimization of In-Vitro Rearing of Indo-Malaya Stingless Bee (*Heterotrigona itama*) Queen: A Strategy to Improve the Meliponiculture Management and Conservation of Insect Pollinator in Tropical Landscapes
Wahizatul Azmi - Malaysia
- 15:15 - 15:30** Spatio-temporal population genetics of solitary bees to investigate the impact of *Osmia* spp. management
Asia Piovesan - Switzerland
- 15:30 - 15:45** Resilience and Adaptation of Wild Honeybees: A 7-Year Study at the Galbreath Wildlands Preserve (2021-2028) and Its Implications for Apiculture and Conservation
Michael Thiele - USA
- 15:45 - 16:00** Beelining in the bush: Wild honey bee nest natural history and turnover in South Africa
Kaylin Kleckner - USA
- 16:00 - 16:15** Giant Honeybees of Asia: Based on Morphological and Genetic Study
Nyaton Kitnya - India
- 16:15 - 16:30** The memory of a wild honey bee and its strength today!
Carlo Amodeo - Italy

SEPTEMBER 26th, 2025 - Friday

AUDITORIUM-15 **SYMPOSIUM / APITHERAPY**
14:30 - 16:30 **Compositions of Bee Products**
Moderators: Bhargava Hunukunda Radhakrishna & Jose Mauricio Sforcin

- 14:30 - 14:45** The Effect Of Royal Jelly On Female Reproductive Health In Rats
Meral Kekeçoğlu - Turkiye
- 14:45 - 15:00** Influence of storage conditions and preparation methods on changes in ascorbic acid, phenolic compound content, and antioxidant activity of bee pollen
Sonata Trumbeckaitė - Lithuania



- 15:00 - 15:15** Diversity and Therapeutic Potential of Endogenous Peptides in Wasp Venoms
Kai Wang - *Belgium*
- 15:15 - 15:30** Pine Honey As A Promising Apitherapy Product; Description Of The Linkage Between The Potential Health Benefits And Its Forefront Bioactive Substances
Özge Erdem - *Turkiye*
- 15:30 - 15:45** High concentrations of Spermidine in Drone Milk (Apilarnil)
Thomas M. Gloger - *Germany*
- 15:45 - 16:00** From Beekeeping to Medical Certification: The Evolution of Beehive Air Therapy
Beate McKenzie - *United Kingdom*
- 16:00 - 16:15** Optimizing Bioactivity and Safety: Synergistic Effects of Green and Red Propolis Extracts for Enhanced Therapeutic Potential
Andresa Aparecida Berretta - *Brazil*
- 16:15 - 16:30** Nutritional Potential of Indian Bee Pollen: A Sustainable Solution for Childhood Dietary Gaps
Lakshmi Kavuri - *India*
- 16:30 - 16:45** Unlocking Nature`s Arsenal: Apis mellifera Venom as a Natural Tool for Combating Against Staphylococcus aureus
Syed Ishtiaq Anjum - *Pakistan*

SEPTEMBER 26th, 2025 - Friday

HALL A3 WORLD CAFÈ ON RESILIENT BEEKEEPING

14:30 - 16:30 **Scan QR Code to register. Limited to First 150 Registered Participants**



Welcome and Opening remarks

Fani Hatjina (APIMONDIA - Bee Health Commission) & Robert Chlebo (APIMONDIA- Europe Commission) & Raquel De Sousa (APIMONDIA Communications Officer)

Technology and Digital Innovation

Gennaro Di Prisco (BEE-GUARDS), Jesus Yaniz(BEE-GUARDS), Veronica Manara(B-THENET), Flemming Vejsnæs(BEE-GUARDS), Marco Pietropaoli (B-THENET/ BETTER-B), Martin Bencsik (BETTER-B)

Sustainability and Resilience Against Stressors

Giles Budge (BEE-GUARDS), Ellen Danneels(B-THENET/ BETTER-B), Annelly Brandt (BEE-GUARDS), Raffaele Dall'Olio(BEE-GUARDS), Martin Gabel(BEE-GUARDS), Fani Hatjina (INSIGNIA-EU)

Citizen Science and Stakeholder Engagement

Robert Brodschneider (BEE-GUARDS / B-THENET / INSIGNIA EU), Lauriane Mariamè (B-THENET), Gherardo Bogo(BEE-GUARDS), Cecilia Costa(BEE-GUARDS), Noa Simon(B-THENET), James Williams (BETTER-B)

Plenary session – Discussion, results presentation

Gennaro Di Prisco (BEE-GUARDS), Jesus Yaniz(BEE-GUARDS), Giles Budge(BEE-GUARDS), Ellen Danneels (B-THENET / BETTER-B), Robert Brodschneider(B-THENET / INSIGNIA EU), Lauriane Mariamé (B-THENET)

Open discussion with audience

All

Closing remarks and next call to action

Fani Hatjina (APIMONDIA - Bee Health Commission) & Robert Chlebo (APIMONDIA - Europe Commission)



SEPTEMBER 26th, 2025 - Friday

AUDITORIUM 11 GLOBAL HONEY TALKS

14:30 - 16:30 Moderator: C. Marina Marchese

- 14:30 - 15:00 How to adapt honey production to climate change
Etienne Bruneau - *Belgium*
- 15:00 - 15:30 Tasting biodiversity: specialty honey as an ally to ecosystems and beekeepers in Mexico
Arlette Gomez Ortiz - *Mexico*
- 15:30 - 16:00 Sustainable Paths for African Honey
Madvee Muthu - *Kenya*
- 16:00 - 16:30 Native, Invasive & Naturalised: Exploring urban ecology dynamics through honey sensory analysis
Christina Joy Neumann - *USA*

SEPTEMBER 26th, 2025 - Friday

HALL A1 SYMPOSIUM / POLLINATION & BEE FLORA

17:00 - 18:00 Bee Flora
Moderator: Yoko L. Dupont

- 17:00 - 17:15 Historical and seasonal changes in the flowering plants used by honeybees
Natasha de Vere - *United Kingdom*
- 17:15 - 17:30 Melissopalynology applied to the study of the botanical characterisation and geographical traceability of *Apis mellifera*, Linnaeus 1758 and *Meliponini* honeys produced in certain areas of Bolivia
Erica Holzer - *Italy*
- 17:30 - 17:45 Divergent pollen collection by honey bees and bumble bees: Evidence from Calgary, Canada
Ron Miksha - *Canada*
- 17:45 - 18:00 Mass flowering tree crops and the overwhelming efficiency of honey bee pollen exploration – what remains for native bees?
Clemens Schlindwein - *Brazil*



SEPTEMBER 26th, 2025 - Friday

HALL A2 SYMPOSIUM / BEE HEALTH

17:00 - 18:30

Honey Bee Viruses

Moderators: *Joachim De Miranda & Heather Bell*

- 17:00 - 17:15** Tracking the evolution of viral titers in colony sub-populations throughout the season and in response to varroa treatment strategies
Heather Bell - *Canada*
- 17:15 - 17:30** Viral Exchange Between Honeybees and Greater Wax Moths: Ecological Drivers and Pathogenic Implications of Bee Dengue Virus 9
Ruike Wei - *China*
- 17:30 - 17:45** From Screening to Mechanism: Curcumin Emerges as a Key Natural Compound Against Israeli Acute Paralysis Virus in *Apis mellifera*
Shangning Yang - *China*
- 17:45 - 18:00** High plasticity for many of the Bond bee population's varroa, colony development, foraging, and virus traits, in relation to year, season and varroa treatment
Joachim R De Miranda - *Sweden*
- 18:00 - 18:15** Viral Infections: When and How Do Honey Bee Queens Become Infected
Esmail Amiri - *USA*
- 18:15 - 18:30** Impact of viruses on recapping behaviour
Amélie Noël - *Sweden*

SEPTEMBER 26th, 2025 - Friday

AUDITORIUM 15 SYMPOSIUM / BEEKEEPING ECONOMY

17:00 - 18:00

Moderators: *Norberto Luis Garcia & Linn F. Groeneveld*

- 17:00 - 17:15** Impacts of climate change on the beekeeping supply chain; a system dynamics modeling approach
Meisam Shahbazi - *Iran*
- 17:15 - 17:30** Strengthening Rural Development through Sustainable Beekeeping: The Case of Miski Miel de Campo
Mauricio José Rosales Durán - *Ecuador*
- 17:30 - 17:45** Decoding Honey: A Comprehensive Melissopalynological Analysis of Georgian Honey and Consumer Preferences
Erekle Chikvaidze - *Belgium*
- 17:45 - 18:00** Building Economic and Social Resilience Through Community-Supported Beekeeping
Idil Akdos - *Norway*

SEPTEMBER 26th, 2025 - Friday

HALL A3 ROUND TABLE

17:00 - 18:30

Beekeeping in non-EU Countries and Central Asia

SEPTEMBER 26th, 2025 - Friday

AUDITORIUM 11 WORKSHOP

17:00 - 18:30

Fighting Tropilaelaps

Moderators: *Jeff Pettis & Fani Hatjina*



SEPTEMBER 27TH, SATURDAY

COMMISSION	SYMPOSIUM TITLE	HALL	TIME
BEEKEEPING FOR RURAL DEVELOPMENT	Beekeeping and Forest Conservation	A1	09:00 - 10:30
BEEKEEPING TECHNOLOGY & QUALITY	Exploring AI, Sensors and Innovative Technologies in Beekeeping	A2	09:00 - 10:30
BEE HEALTH	The Fights Against Vespeidea	AUDITORIUM 15	09:00 - 10:30
ROUND TABLE	Role of Beekeeping in Rural Development: Insights & Strategies	A3	09:00 - 10:30
	GLOBAL HONEY TALKS	AUDITORIUM 11	09:00 - 10:30
MAIN SYMPOSIUM	Beekeeping in Challenging Conditions	A1	11:00 - 13:00
BEE BIOLOGY	Breeding, selection and conservation	A2	11:00 - 13:00
APITHERAPY	New Directions in Apitherapy	AUDITORIUM 15	11:00 - 13:00
MEETING	INTERNATIONAL HONEY COMMISSION	A3	11:00 - 13:00
	GLOBAL HONEY TALKS	AUDITORIUM 11	11:00 - 13:00
BEEKEEPING TECHNOLOGY & QUALITY	Innovative Applications for Bee Products	A1	14:00 - 15:00
BEE BIOLOGY	Breeding, selection and conservation	A2	14:00 - 15:00
BEE HEALTH	Fighting Against Varroa	AUDITORIUM 15	14:30 - 16:15
BEEKEEPING FOR RURAL DEVELOPMENT	Bee-lieve in Youth: Cultivating the Next Generation of Beekeepers	A3	13:00 - 15:00
WORKSHOP	POLLEN IDENTIFICATION	AUDITORIUM 11	14:00 - 17:00



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SEPTEMBER 27th, 2025 - Saturday

HALL A1 SYMPOSIUM / BEEKEEPING FOR RURAL DEVELOPMENT

09:00 - 10:30 **Beekeeping and Forest Conservation**
Moderators: Cathy Benham & Colleen Quinn

- 09:00 - 09:15** Beekeepers Restore the Forests of Kwahu Afram Plains of Ghana
Papa Kwodwo Mbroh - Ghana
- 09:15 - 09:30** Beekeeping and Forest Conservation in Zimbabwe
Robert Nil Mutisi - Zimbabwe
- 09:30 - 09:45** The Accompanying Fauna in Honeybee Colonies in Tree-Beehives and Logs in Poland
Barbara Zajdel - Poland
- 09:45 - 10:00** Honey forest restoration as a conservation strategy for bee habitat in Santa Rita-Chone-Ecuador
Rosa González Z - Peru
- 10:00 - 10:15** From Forest Flowers to Honey: Synergies Between Beekeeping and Forest Conservation in Nepal
Kedar Devkota - Nepal
- 10:15 - 10:30** Forest Conservation through Beekeeping Using Satellite Imagery to demonstrate the role of beekeeping in protecting natural forests
Chris Keywood - United Kingdom

SEPTEMBER 27th, 2025 - Saturday

HALL A2 SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY

09:00 - 10:15 **Exploring AI, Sensors and Innovative Technologies in Beekeeping**
Moderators: Miguel Vilas-Boas & Robert Chlebo

- 09:00 - 09:15** RNAi As a Next Generation Varroa Mite Control
Adam Pacht - USA
- 09:15 - 09:30** Evaluating Precision Varroa destructor Treatments with the HiveMaster applicator: Field Trials in the USA and Israel
Ron Corkidi - USA
- 09:30 - 09:45** Colony Disorders revealed by automated monitoring of hive weight changes
Martin Bencsik - United Kingdom
- 09:45 - 10:00** Integrating IoT, AI, and Satellite Data for Predicting the Spread of Bee Diseases and Enhancing Apiary Biosecurity
Dagmara Stasiowska - Poland
- 10:00 - 10:15** SHARP-FB: Short Hive Audio Recording Predictor of Frames of Bees
Nicolas Coallier - Canada



SEPTEMBER 27th, 2025 - Saturday

AUDITORIUM 15 SYMPOSIUM / BEE HEALTH

09:00 - 10:30

The Fights Against Vespidea

Moderators: *Linde Morawetz & Norman Carreck*

- 09:00 - 09:15** Insights into the management of the Asian hornet in South-West Germany: nest occurrences and hurdles in control strategies
Carolin Rein - *Germany*
- 09:15 - 09:30** Preliminary results on the control of *Vespa velutina* using *Beauveria bassiana* in apiary environments within the GO BIOVEST Project
Francesc Xavier Munill Bernardich - *Spain*
- 09:30 - 09:45** Remote detection and monitoring of invasive species of hornets (*Vespa velutina* and *Vespa mandarinia*) using acoustic tools
Huw Evans - *USA*
- 09:45 - 10:00** "NestSweeper" - An AI based method to track the yellow legged Asian hornet *Vespa velutina* in the UK
Norman L Carreck - *United Kingdom*
- 10:00 - 10:15** Sustainable strategy of control for the hornet, *Vespa velutina*
Francis Saucy - *Switzerland*
- 10:15 - 10:30** Influence of heat and humidity on the survival of the honey bees: A study within five *Apis mellifera* subspecies from the Mediterranean basin
Soledad Sagastume - *Spain*

SEPTEMBER 27th, 2025 - Saturday

HALL A3

ROUND TABLE

09:00 - 10:30

Role of Beekeeping in Rural Development: Insights & Strategies

Moderator: *Megan Denver*

Join colleagues from around the world for an open conversation on how beekeeping can strengthen rural livelihoods. This roundtable brings together practical experiences and lessons learned from diverse regions, focusing on what works, what hasn't worked, and new ideas to help communities build resilience through beekeeping. Audience participation is encouraged and there will be time for questions and sharing perspectives.

Presenters:

- Portia Muradi** - *South Africa*
Dickson Biryomumaisho - *Uganda*
Hope Agwang - *Uganda*
Tilahun Gebey - *Ethiopia*
Getish Kassa Nurie - *Ethiopia*
David Mukomana - *Zimbabwe*
Pratim Roy - *India*
Shiny Rehel - *India*
Sara Pathy - *India*
Justin Raj - *India*



SEPTEMBER 27th, 2025 - Saturday

AUDITORIUM 11 GLOBAL HONEY TALKS

09:00 - 10:30 Moderator: *Madvee Muthu*

- 09:00 - 09:30** Bee-yond Delicious: A Journey through Britain and Ireland's Honey Varieties
Gino Jabbar - *Scotland*
- 09:30 - 10:00** Granulated Honey: Winner of WBA World's Best Honey 2017
Lars Fischer - *Denmark*
- 10:00 - 10:30** Honey quality focus in legislation -impact on honey processing for commercial beekeepers
Etienne Bruneau - *Belgium*

SEPTEMBER 27th, 2025 - Saturday

HALL A1 **MAIN SYMPOSIUM / Beekeeping in Challenging Conditions**
11:00 - 13:00 **Pollination and Bee Flora / Beekeeping for Rural Development**
Moderators: *Megan Denver & Lucas Garibaldi*

- 11:00 - 11:30** The landscape ecology of honeybees
Ingolf Steffan-Dewenter - *Germany*
- 11:30 - 12:00** Reducing Deforestation and Promoting Sustainable Beekeeping Among Rural Communities
Portia Morudi - *South Africa*
- 12:00 - 12:15** Apiary Education, Biodiversity Research, and Heritage Landscapes
Jarosław Pająkowski - *Poland*
- 12:15 - 12:30** Using Non-Traditional Means of Value Addition to Support Rural Honey and Beeswax Supply Chains
Chris Keyword - *United Kingdom*
- 12:30 - 12:45** Harmonious integration of bees and soybean cultivation
Decio Luiz Gazzoni - *Brazil*
- 12:45 - 13:00** Evaluating the Impact of Honeybee Colonies on Insect Biodiversity and Ecosystem Restoration in Mount Parnitha Post-Fire Forests
Athanasios Antonopoulos - *Greece*



SEPTEMBER 27th, 2025 - Saturday

HALL A2 **SYMPOSIUM / BEE BIOLOGY**
11:00 - 13:00 **Breeding, selection and conservation**
Moderators: Gennaro Di Prisco & Rui Goncalves

- 11:00 - 11:15** Distribution and conservation status of *Apis mellifera* populations in Italy
Giovanni Cilia - *Italy*
- 11:15 - 11:30** Mitochondrial DNA Variability in the Honey bee *Apis mellifera* L., Implications for Conservation
Cristina Vella - *Malta*
- 11:30 - 11:45** Exploring the genetic landscape of honeybees in Ivory Coast
Kamila Canale Tabet - *Côte d'Ivoire*
- 11:45 - 12:00** A dynamic picture of the diffusion of *Apis mellifera* mitochondrial DNA lineages in Italy over the last few decades utilizing honey as a source of honey bee population genetic information
Luca Fontanesi - *Italy*
- 12:00 - 12:15** Hybridization of honey bees in southwestern Asia
Adam Tofilski – *Saudi Arabia*
- 12:15 - 12:30** Vitellogenin as a Physiological Marker of Swarming in Honey Bees (*Apis mellifera*)
Katrina Klett - *USA*
- 12:30 - 12:45** Status Report on Bee-Guards Innovative Breeding Strategies
Raffaele Dall'Olio - *Italy*
- 12:45 - 13:00** Integrated Breeding Strategy for *Apis mellifera*: Towards Sustainable Beekeeping
Sécolène Maucourt - *Canada*

SEPTEMBER 27th, 2025 - Saturday

AUDITORIUM 15 **SYMPOSIUM / APITHERAPY**
11:00 - 13:00 **New Directions in Apitherapy**
Moderators: Meral Kekeçoğlu & János Körmendy-Rácz

- 11:00 - 11:15** Comparison of Honey's Botanical and Geographical Origin Determination Using Melissopalynology and DNA Analysis Methods
Aslı Özkök - *Turkiye*
- 11:15 - 11:30** Eurasian propolis and Brazilian green propolis compared: evaluation of chemical composition and comparison of cytokine release by PBMCs
Giorgio Cappellucci - *Italy*
- 11:30 - 11:45** Development of Nanoemulsion-Based Water-Soluble Propolis (N-WEEP) Technology for Oral Anti-Inflammation and Gum Health
Jiheon Lee - *South Korea*



- 11:45 - 12:00** Antibacterial Properties of Pentacyclic Triterpenes from *Melipona beecheii* Propolis
Aarón Andrés Santana Hernández - Mexico
- 12:00 - 12:15** Propolis: Research, Apitherapy and Clinical Applications
José Mauricio Sforcin - Brazil
- 12:15 - 12:30** Antibacterial efficacy of Apis honey collected from different Apiaries and its effect on Sprague Dawley rats
Bhargava H R - India
- 12:30 - 12:45** Honey dressing on pilonidal sinus wound healing
Ahmed G Hegazi - Egypt
- 12:45 - 13:00** The diversity of stingless bee species and vegetation in Tanzania drives the variability in honey composition, with a vast potential for medicinal honey
Christopher Alphonse Mduda - Tanzania

SEPTEMBER 27th, 2025 - Saturday

HALL A3 MEETING of the "INTERNATIONAL HONEY COMMISSION"
11:00 - 13:00

SEPTEMBER 27th, 2025 - Saturday

AUDITORIUM 11 GLOBAL HONEY TALKS
11:00 - 13:00 Moderator: Arlette Gómez Ortiz

- 11:00 - 11:30** Making beehive products for competition
Paul Boyle - Ireland
- 11:30 - 12:00** Diversity in Scandinavian honey varieties
Ragna Ribe Jørgensen - Norway
- 12:00 - 12:30** Sustainable Production of Beehive Products - ecofriendly harvesting and production methods
Tone Bryn - Norway
- 12:30 - 13:00** Supplying Michelin star restaurants with beehive products
Peter Sjøgren - Denmark

13:00 - 14:30 LUNCH - POSTERS
Apitherapy / Bee Biology / Beekeeping Economy / Pollination and Flora / Rural Development / B-RAP posters will be presented.
The FILM "Copenhagen Propolis Initiative" will be screened in Auditorium 15 at 13:30.



SEPTEMBER 27th, 2025 - Saturday

HALL A1 SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY

14:00 - 15:00 Innovative Applications for Bee Products

Moderators: *Dražen Lušić & M^a Teresa Sancho*

- 14:00 - 14:15 Starch and non-starch hydrocolloids synergy in honey fillings: Techno-functional, rheological, textural, and sensory properties
Vikas Nanda - *India*
- 14:15 - 14:30 Physico-chemical characteristics of honey powder: Impact of the botanical origin and the drying procedure
Sandra María Osés - *Spain*
- 14:30 - 14:45 From Hive to Biomedical Application: Bee Pollen-Derived Biocompatible Sporopollenin Microcapsules for Gastrointestinal Drug Targeting
Volkan Aylanc - *Portugal*
- 14:45 - 15:00 Ultrasound-Augmented Conjugation of Whey Protein Isolate and Propolis: Structural Insights and Functional Enhancements
Shanshan Li - *China*

SEPTEMBER 27th, 2025 - Saturday

HALL A2 SYMPOSIUM / Bee Biology

14:00 - 15:00 Breeding, selection and conservation

Moderators: *Gennaro Di Prisco & Cecilia Costa & Özge Özden*

- 14:00 - 14:15 Optimizing anesthetic effects of carbon dioxide to honey bee (*Apis mellifera* L.)
Yu Fang - *China*
- 14:15 - 14:30 Conservation status of the honey bee subspecies native to the Mediterranean islands
Dora Henriques - *Portugal*
- 14:30 - 14:45 Relative effects of the queen and brood on honey bee worker ovary suppression
Shelley Hoover - *Canada*
- 14:45 - 15:00 Genetic Selection and Immune Mechanisms: A Scientific Approach to Enhancing Honeybee Resilience Against Viral Infections and Environmental Stressors
Giacomo Acerbi - *Italy*



SEPTEMBER 27th, 2025 - Saturday

Auditorium 15 SYMPOSIUM / BEE HEALTH

14:00 - 16:15 Fighting Against Varroa

Moderators: *Michaela Bertola & Giovanni Formato & Chuleui Jung*

- 14:00 - 14:15** Evaluation of Aluen CAP® for Varroa destructor control during a full season in migratory beekeeping systems
Elían Tourn - *Argentina*
- 14:15 - 14:30** Effective summer varroa mite control with stabilized oxalic acid (VarroxSan) and minimal honey residue
Brandon Hopkins - *USA*
- 14:30 - 14:45** Using Hyperthermia against the Varroa mite - 15 years of successfully working with the Varroa Controller
Wolfgang Wimmer - *Austria*
- 14:45 - 15:00** Chemical Innovations in Varroa destructor Mite Control
Rassol Bahreini - *Canada*
- 15:00 - 15:15** Sensitivity and Resistance to Amitraz and Amitraz-Based Products in Honey Bee Parasitic Mites
Michela Bertola - *Italy*
- 15:15 - 15:30** The persistence of acaricides resistance in Varroa destructor population in Canada
Rassol Bahreini - *Canada*
- 15:30 - 15:45** Chances and challenges in breeding for resistance to Varroa destructor – from basic principles to practical application
Martin Gabel - *Germany*
- 15:45 - 16:00** Impact of Varroa destructor infestation on the survival, quality, and performance of honeybee queens (*Apis mellifera* L.) overwintered in banks
Andrée Rousseau - *Canada*
- 16:00 - 16:15** The use of „Magnetto“, a tool for fast capturing of queens, dramatically improves and simplifies ecological Varroa treatment based on organic acids
Martin Hintersteiner - *Austria*



SEPTEMBER 27th, 2025 - Saturday

HALL A3 WORKSHOP / BEEKEEPING FOR RURAL DEVELOPMENT

13:00 - 15:00 **Bee-lieve in Youth: Cultivating the Next Generation of Beekeepers**
Moderators: Zahira Nedjraoui & Megan Denver & Jane Barnes

Bee-lieve in Youth at Apimondia brings together a vibrant group of young leaders and innovators who are shaping the future of beekeeping around the world.

You'll learn about shared apiary spaces in the Czech Republic and youth clubs that foster hands-on learning, to mobile apps making beekeeping education fun and accessible.

We'll also hear about inspiring projects that are bringing beekeeping into schools in rural Zimbabwe, empowering indigenous youth to build sustainable mad honey enterprises in Nepal, and large-scale educational efforts in China to connect tradition with new beekeepers.

These presentations highlight how young people from across the globe are opening up new opportunities, building community, learning from experienced beekeepers, and working to keep beekeeping strong and sustainable for the future.

- 13:00 - 13:05** **Welcome**
- 13:05 - 13:20** **Dhurba Saud** - Indigenous Youth - Mad Honey - Nepal
- 13:20 - 13:35** **Lukas Loukota** - Czech Beekeeping Club System - Czech Republic
- 13:35 - 13:50** **Japhyter Mudongo** - Beekeeping in Schools - Rural Youth Empowerment - Zimbabwe
- 13:50 - 14:05** **Marek Matulík** - Mobile App for Young Beekeepers - Czech Republic
- 14:05 - 14:20** **Qiu Peicheng** - Beekeeping Education Initiatives in China - China
- 14:20 - 14:35** **Adam Šimoník** - Shared Apiaries for Young Beekeepers - Czech Republic
- 14:35 - 14:50** Roundtable + Open Floor
- 14:50 - 15:00** Closing Remarks + Collaboration Ideas



SEPTEMBER 27th, 2025 - Saturday

AUDITORIUM 11 WORKSHOP / POLLEN IDENTIFICATION

14:00 - 17:00

Don't miss your opportunity to take part in a hands-on pollen identification workshop at Apimondia this year. Intertek's pollen expert, Sebastian Klingenberg, will guide you through the theory of pollen study, a sensory session, and Q&A on the subject.

Agenda:

• **Part 1 - Theory of pollen study**

We will begin the workshop with an overview of what Palynology (the study of pollen) is, how it works, and what steps are taken in the laboratory when analysing honey samples.

• **Part 2 - Sensory session**

In this part of the workshop, we'll be comparing monofloral honeys from different regions to highlight the importance of combining microscopy and sensory analysis when analysing honey samples.

• **Part 3 - Q&A with the expert**

In the final part of the workshop, you'll have the opportunity to ask your pollen identification questions to Intertek's Palynologist, Sebastian Klingenberg.

Register via www.intertek.com/form/apimondia-2025-pollen-identification-workshop/

17:00 CLOSING CEREMONY



APIMONDIA

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2025

POSTER PRESENTATIONS



SEPTEMBER 24th - 25th, 2025

BEE HEALTH

- PP-1 Effectiveness of oxalic acid in the control of varroa mites in Africanized honeybee colonies in the tropical conditions of Costa Rica
Rafael Calderón
- PP-2 Small hive beetle (*Aethina tumida*) in Africanized honeybee colonies in Costa Rica: strategies for detection and monitoring
Rafael Calderon
- PP-3 Transcriptional dynamics and regulatory function of miRNAs in *Ascospaera apis* invading *Apis mellifera* larvae
Xiaoxue Fan
- PP-4 Evaluation of the Development of Resistance of the Mite Varroa destructor to the Chemical Acaricides Apistan® and Bayvarol® in Costa Rica
Alberto Sáenz
- PP-5 Dynamics and regulatory role of circRNAs in Asian honey bee larvae following fungal infection
Rui Guo
- PP-6 First characterization and regulatory function of piRNAs in the *Apis mellifera* larval response to *Ascospaera apis* invasion
Rui Guo
- PP-7 Effect of *Ascospaera apis* infestation on the activities of four antioxidant enzymes in Asian honey bee larval guts
Rui Guo
- PP-8 ame-miR-34 modulates the larval body weight and immune response of *Apis mellifera* workers to *Ascospaera apis* invasion
Rui Guo
- PP-9 Circular RNA ame_circ_000115 regulates gene expression immune response of European honeybee larvae to *Ascospaera apis* infection
Rui Guo
- PP-10 Breeding for disease and mite resistance in the small commercial apiary
Troy Hall
- PP-11 Nutrition of the honey bee parasite Varroa destructor: insights from behavioural and molecular studies
Vincent Piou
- PP-12 Considerations when sampling honeybee (*Apis mellifera*) colonies for volatile organic compounds (VOCs) associated with honeybee diseases, pests and environmental contamination
Maggie Gill
- PP-13 Biopolymer carriers of natural miticides with application in organic beekeeping
Desislava Budurova
- PP-14 Combining high-resolution smartphone images with new open-source software based on deep learning techniques will make Varroa diagnosis easier and more efficient
Jesús Yániz



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BEE HEALTH

- PP-15** Lactic acid treatment works through a local way of action against *Varroa destructor*
Lucie Bouly
- PP-16** UBeeO: A Novel Tool for Selecting Pest- and Disease-Resistant Honey Bees
Kaira Wagoner
- PP-17** The German Bee Monitoring (DeBiMo) Project: pesticide residues in stored pollen from 2009 to 2024 reflect changes in agricultural practices
Kirsten Shoshanna Traynor
- PP-18** Harmonized Diagnostic Methods for *Tropilaelaps* Mites: Strengthening Surveillance and Control Against an Emerging Global Threat to Beekeeping
Stéphanie Franco
- PP-19** Api-vectoring potential of the entomopathogenic fungus *Beauveria bassiana* by *Bombus terrestris* for thrips control in strawberry production
Morgane Ourry
- PP-20** Defining the Molecular Markers of Honey Bee Health: The Role of Nutrition and Seasonal Dynamics
Olga Frunze
- PP-21** Improving Honey Bee Health: Analysis of Pollen Substitute Diets in Field and Cage Studies
Hyunjee Kim
- PP-22** The gypsy mushroom (*Cortinarius caperatus*) as a source of antiviral activity against the deformed wing virus
Alena Krejci
- PP-23** Five-year surveillance of AcSBV prevalence in *Apis cerana* in Northern Taiwan explore the risk of co-cultured with *Apis mellifera*
Yue-Wen Chen
- PP-24** The Impact of Emotions on Honeybee Health
Karolina Kuszewska
- PP-25** An Automated AI-Based Diagnostic Method for Assessing *Varroa destructor* Infestation in Honeybee Colonies-First results and findings
Gunther Bigl
- PP-26** Exploring virome dynamics in *Varroa destructor* -resistant and susceptible honey bee colonies
Daniela Arredondo
- PP-27** Are *Apis mellifera Filamentous Virus (AmFV)* and *Lake Sinai Virus (LSV)* emerging viruses in Uruguay? A retrospective survey
Daniela Arredondo
- PP-28** Effects of Rapid Heat Hardening of Honeybee Mother Queens (*Apis mellifera*) on the Oxidative Response of Their Daughter Workers during Heat Stress
Abd Al Majeed Al Ghzawi



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BEE HEALTH

- PP-29** How does the new acaricide 1-allyloxy-4-propoxybenzene work? Studies on the mode of action using proteomics and fluorescence microscopy
Erika Plettner
- PP-30** Atrazine exposure can dysregulate the immune system and increase the susceptibility against pathogens in honeybees
Kang Wang
- PP-31** Prevalence of honeybee pathogens in South Korea: A five-year nationwide surveillance (2020–2024)
Juhaeng Heo
- PP-32** Natural antibacterial solutions: essential oils and hydrolates for beehive health
Zivile Strazdaite Ziemele
- PP-33** Diseases and parasites in managed honey bees in Europe (Horizon 2020 project B-GOOD)
Severine Matthijs
- PP-34** Effect of rapid heat hardening of honeybee mother queens (*Apis mellifera*) on the immune response of their daughter workers during heat stress
Shahera Zaitoun
- PP-35** Varroa monitoring and biomechanical treatment
Frederik Husted Andersen
- PP-36** Field-deployable molecular diagnosis of sacbrood virus using a rapid point-of-care assay
Juhaeng Heo
- PP-37** Honeybee Vaccination – from the lab to the field
Dalial Freitak
- PP-38** Microbiota of honeybee drones and biocontrol potential
Vilija Lapinskaitė
- PP-39** Applicability of the greater wax moth (*Galleria mellonella*) as a model organism in the biodegradation of various materials
Sedat Yelkovan
- PP-40** Efficacy of queen isolation and organic acid treatment as control strategy against Varroa destructor
Dongwon Kim
- PP-41** Biotic and abiotic stresses on honeybee health
Zheguang Lin
- PP-42** Acute and chronic viruses mediated by an ectoparasite target different developmental stages of honeybee (*Apis mellifera* and *Apis cerana*) brood
Ting Ji



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- PP-43** The nanofibers based theranostic applications in controlling Varoa destructor
Bruno Sopko
- PP-44** Prevalence of diseases and pests in African honeybee *Apis mellifera scutellata* swarms in Costa Rica
Johan Wilhelm Van Veen
- PP-45** Status of the Yellow Legged Hornet, *Vespa velutina*, in North America
Benjamin Powell
- PP-46** Effects of Diet and Probiotics on the Health of Honey Bees
Joseph Palmer
- PP-47** Survey Research: Utilization of No-Mite-Low-Mite-Queen Best Practices (NMLMQ)
Lisa Marie Ghezzi
- PP-48** Use of a plant extract (ApiSave), as a natural and novel alternative to synthetic chemicals, to control honeybee diseases in North America
Kouadio Gerard Bedie
- PP-49** Light therapy applied to bees, a game changer approach to protect bees from climate, toxicity and transport stressors
Christophe P Brod
- PP-50** Results of monitoring the biological relationship of Africanized bees with Varroa since 2002 in two geographical areas of Santa Cruz, Bolivia
Nilo Padilla Osinaga
- PP-51** Indirect Effects of Pesticide Exposure on the Honeybees Gut Microbiota: Disruption through Altered Pollen Consumption
Kang Wang
- PP-52** Greater wax moth control in apiaries can be improved by combining *Bacillus thuringiensis* and entrapments
Pingli Dai
- PP-53** An update on the colony loss report of the Apimondia 2023 Congress: Has *Tropilaelaps* passed the borders of Iran and is it among the causes of the massive devastating honey bee colony loss across Iran?
Pegah Valizadeh
- PP-54** The diversity of insecticide target site mutations in *Apis mellifera*
Lina De Smet
- PP-55** Overcoming *varroa destructor*
Nilo Padilla Osinaga
- PP-56** Beneficial bacteria-based feed additives for honeybees: current research and field application insights
Daniele Alberoni
- PP-57** Exploring the role of opportunistic pathogens in honeybee health: the case of *Serratia marcescens* synergy with *Nosema ceranae*
Chiara Braglia
- PP-58** Semi-field tests of repellent and attractant molecules to *Aethina tumida*, a pest of *Apis mellifera*
Cameron Jack

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BEE HEALTH

- PP-59 Fly aggression behavior and infestation rates of *Senotainia tricuspis* (Meigen, 1838) (Diptera, Sarcophagidae) in an apiary in Central Italy (Pisa province)
Chiara Benedetta Boni
- PP-60 Effects of mosquito larvicides and adulticides applied via truck-mounted and aerial spraying on honey bees (*Apis mellifera*) in Florida
Léna Barascou
- PP-61 Application of MALDI-TOF mass spectrometry for the identification of the fungus *Ascosphaera apis*
Barbara Hocevar
- PP-62 Administration of coconut oil-enriched diet in honey bees' nutrition: effects on survival and health
Francesca Coppola
- PP-63 Collateral effects of pesticides on plant-microorganism-bee interactions
Tsiri Diaz
- PP-64 RNA metagenomics-based surveillance of diverse honey bee (*Apis mellifera*) pathogens revealing the seasonal pathogen dynamics in Taiwan
Fang-Min Chang
- PP-65 Magnetic resonance imaging (MRI) of the honeybee
Jean-Marc Bonmatin
- PP-66 Small Hive Beetle Outbreak in Reunion: A new haplotype defined in clade C
Stéphanie Franco
- PP-67 Fat and happy? The impact of *Lotmaria passim* on honey bee nutrition and lifespan
Courtney I. MacInnis
- PP-68 Genomic variations among different isolates of *Vairimorpha ceranae* reveal the risk of microsporidian adaptation to thermal stress in Taiwan
Yu-shin Nai
- PP-69 Isolation of The Probiotic Strains from Honeybees and Assessment of Their Effect on Honeybee Health
Buse Dengiz
- PP-70 Efficacy of lithium citrate and amitraz for the control of the mite *Varroa destructor* in honey bee (*Apis mellifera*) colonies in a subtropical environment
José María Tapia González
- PP-71 Beeswax foundation as a new method of transporting organic therapeutic agents for bee disease control
Valerii Dombrovskiy
- PP-72 Beeswax foundation Dombrovskiy «Antivarroa»
Valerii Dombrovskiy
- PP-73 The *Bidens pilosa* phytogetic treatment reveals a negative impact on *Vairimorpha ceranae* through the suppression of V-Type ATPase expression in infected honey bees (*Apis mellifera*)
Yi Hsuan Li
- PP-74 The Role of Nitric Oxide in Honeybee Immunity: Assessing the Impact of Acetamiprid Exposure
Alice Šárková



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BEE HEALTH

- PP-75 Brood activity in winter accelerates aging and increases the parasite load in honey bee colonies, which can be mitigated by caging of the queens
Annely Brandt
- PP-76 Selective trapping of *Vespa velutina* in apiary and non-apiary environments: a comparative study of trap efficacy and selectivity within the GO BIOVESP Project
Ana Morton
- PP-77 Prevalence of *Paenibacillus larvae* in *Apis mellifera* in the Netherlands
Heather Graham
- PP-78 Quantitative method for detection of formic acid in bee hive air samples
Filip Ublekov
- PP-79 "Varroaresistenz 2033" – a German initiative to stepwise abandon chemical varroa treatment
Ralph Büchler
- PP-80 Ultrasonic combating of Varroa Destructor and Acarapis Woodi mites
Marian Ryszard Surowiec
- PP-81 Pesticides in honey, beeswax and toxicity to honey bees (*Apis mellifera*) from hives kept in avocado (*Persea americana*) orchards managed with different cultural systems in Jalisco, Mexico
Jose Octavio Macias-Macias
- PP-82 Silveco+Bee® the new tool for disinfection against *Paenibacillus larvae* - causative agent of american foulbrood (AFB) preliminary studies
Andrzej Marcin Bober
- PP-83 Snapback high resolution melting assays for rapid and inexpensive detection of varroa treatment resistance markers for pyrethroids and amitraz
John Mackay
- PP-84 Understanding and Awareness on Risks of Synthetic Pesticides Use on Honey Bee Colonies in Western Amhara, Ethiopia
Baye Berihun Getahun
- PP-85 Single-Nucleotide Polymorphisms (SNPs) in the ORβ-2R-L Gene of French and Spanish Varroa Mite Populations Are Not Directly Linked to Amitraz-Resistant Phenotypes
Ulrike Marsky
- PP-86 Monitoring the Health of Bee Populations in the Philippines: Pests and Diseases
Jessica Baroga-Barbecho
- PP-87 Wisdom of the elders: Social learning improves a parasite resistance trait in honey bees
Alexis Beaurepaire
- PP-88 Drone viral infection, immunity and flight performance
Sharif Hamdo
- PP-89 Impact of humidity on egg hatching in small hive beetles: laboratory and field data
Anna Papach



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BEE HEALTH

- PP-90 Nitric oxide as a key signalling molecule for antimicrobial peptide production in *Apis mellifera*
Martina Janků
- PP-91 Real or fake friends? Study of *Trichoderma* strains in Brazilian stingless bee hives
Livia Soman de Medeiros
- PP-92 Biological distribution of honey bee vitellogenin and its fragments in bee organism
Eva Hrtánková
- PP-93 Antiviral defence mechanisms in honey bees infected with deformed wing virus
Gabriela Hofericová
- PP-94 Altering the expression of hsp and amp genes to potentially enhance stress tolerance by curcumin and quercetin containing nutritional supplement in honey bees (*Apis mellifera*)
Evelin Kámán Tóth
- PP-95 *Paenibacillus melissococcoides*: a new pathogen of honey bee brood?
Benjamin J. Dainat
- PP-96 Evaluating Possible Effects of Radio-Frequency Electromagnetic Fields (RF-EMF) Exposure on Biodiversity, Development & Fitness of Insects
Maria Bouga
- PP-97 Causes of periodic mass bee mortality in Ukraine
Tetyana Vasylykivska
- PP-98 Actinobacteria from Stingless Bees: Isolation, Characterization, and Antimicrobial Potential
Michelle Manfrini Morais
- PP-99 Brain Fatty Acid Profile Alterations in Honey Bees Induced by Neonicotinoid Acetamiprid
Fanni Huber
- PP-100 Dispersal of *Tropilaelaps mercedesae* mites from honey bee colonies
Dan Aurell
- PP-101 Evaluation of a Promising Novel Acaricide Against *Varroa destructor*
Stephen F. Pernal
- PP-102 Neurotoxic pesticides induced alterations in nursing behavior and foraging-related genes in the nurse bee of the honey bee, *Apis mellifera*. L
Euijin You
- PP-103 Treatment-free beekeeping: a case study of success in the Negev desert
Alex Gamberoni
- PP-104 Effectiveness of innovative BeeSmoke pelleted fuel and remedy ApiBonum ib on the vitality of honeybee colonies
Ivana Tlak Gajger
- PP-105 Prebiotic Approach Research with *Taraxacum officinale* and *Cichorium intybus* for the Welfare of Honey Bees and Protection of Microbiota Dynamics and also against Nosemosis
Asli Ozkirim

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- PP-106 Assessing the Impact of Indoor RF-EMF Exposure at 3.6 GHz on the Development of Honey bees
Anastasia Kalapouti
- PP-107 Pesticide exposure assessment in stingless bees
Anete Pedro Lourenco
- PP-108 Building tools for Integrated Varroa Mite Management: field monitoring of varroa sensitivity to acaricides in the Grand Est region
Marjorie Tonnelier
- PP-109 Feeding drives the reproduction of *Varroa destructor*
Yao Liu
- PP-110 Resistance and vulnerability of honeybee (*Apis mellifera*) gut bacteria to commonly used pesticides
Ana Cuesta-Maté
- PP-111 Pathogens on the move: impact of transmission between managed and wild bees
Anja Probst
- PP-112 Gut microbiome composition and hygienic behavior as indicators of varroa resistance in an Italian honey bee breeding population
Maria Grazia De Iorio
- PP-113 Honey bee resistance to varroa mites: insight into the complex nature of the SMR trait
Amélie Noël
- PP-114 Treatment-free beekeeping: case study in Negev Desert
A. Gamberoni
- PP-115 Hidden in the Honeycomb: Diversity and Phylogeny of Bee Parasites
Alena Krejčí
- PP-116 Development of a metabolic preparation with high antimicrobial potential for use in the prophylaxis against *Paenibacillus larvae* causing American foulbrood in bee colonies
Piotr Nowotnik
- PP-117 Environmental (eDNA) detection tools for monitoring *Vespa velutina*
Kaitlin R. Deutsch
- PP-118 Development of a starch-vaseline formulation for controlled release of thymol as acaricide in beehives
Carmen Rossini
- PP-119 In-person workshops increase the likelihood of beekeepers adopting best management practices that are supported by science
Selina Bruckner
- PP-120 Understanding the molecular machinery in agrochemical detoxification
Aidan Jamieson



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- PP-121 Incidence of Vairimorphosis (nosemosis) across continental Croatia over two consecutive years
Nikola Kezic
- PP-122 Economic injury levels of *Varroa destructor* and pathogens associated with honey bee (*Apis mellifera*) colony losses in Western Canada
Nuria Morfin
- PP-123 Postbiotics in beekeeping: benefits in the strength of the beehives and direct effect against *Varroa destructor*
David Risco
- PP-124 Hive type and genetics for improved varroa survival and resistance
Jorge Langa
- PP-125 Comparative toxicity of neonicotinoid insecticides to honey bees: insights from a comprehensive network meta-analysis
Mohammad Razmkabir
- PP-126 Comparing *Apis mellifera* health outcomes using biotechnical methods, organic chemicals or synthetic chemicals to manage *Varroa destructor* during the initial invasion phase in subtropical Australia
Jacqueline Ashlea Morrison
- PP-127 Novel Approach to Hive Health and *Varroa* Control
Jeffery Pettis
- PP-128 Evaluation of screen and sticky bottom boards for the control of *Varroa destructor* in Africanized and European honeybees
Pablo Juri
- PP-129 Hygroregulation in honeybees: strategies for survival in the Arizona desert
Ethel M Villalobos
- PP-130 Living with the small hive beetle: what we have learned after 15 years of continuous pest pressure in Hawaii
Ethel M Villalobos
- PP-131 Evaluation of efficacy of lactic acid bacteria from Honeybee for American foulbrood and Nosemosis
Hyang Sim Lee
- PP-132 Addition of postbiotics enhances the effectiveness of oxalic acid treatments against *Varroa destructor* under field conditions
Laura Morales
- PP-133 Honey bee nutrition as a beekeeping management practice: the first global survey by the COLOSS Bee Nutrition Task Force
Alessandra Giacomelli
- PP-134 More than ten years of the bee poisoning incident diagnostics programme in Poland - experiences and conclusions
Tomasz Kiljanek
- PP-135 Prevalence of pathogens and parasites in Danish honey bees
Annette Bruun Jensen
- PP-136 Microbial interaction study for biocontrol of American foulbrood (AFB) in Honeybees
Dany Yammouni
- PP-137 Understanding the emergence and disease dynamics of Chronic bee paralysis in England and Wales
Giles Budge

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BEE HEALTH

- PP-138 Honey Bee Colony Losses in Turkey: Winter 2022/23 and 2023/24 Findings from the COLOSS Monitoring Questionnaire
Aygün Schiesser
- PP-139 Building the BeeArc: The Nature of the Future
James Townsend Fearnley
- PP-140 Parasites and Pathogens Affecting Honey Bees in the United Arab Emirates
Saad Masry
- PP-141 Optimized nutrition for managed bees: a scalable solution to pesticide exposure
Andre J. Riveros
- PP-142 Simultaneously applying Darwinian selection for honey bee survival in 8 European countries
Séverine Denise Kotrschal (Buechel)
- PP-143 Varroa Surviving Bees in Argentina (ASVA): A national project
Francisco José Reynaldi
- PP-144 Flawed generalizations: sex- and species-specific susceptibility to pesticide exposure in bees
Domenic W. Camenzind
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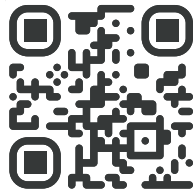
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