



## SEPTEMBER 24th, 2025 – Wednesday

### HALL A2

14:30 – 16:30

### SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY

#### Tool Development for Fraud Fight in Bee Products-1

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

**Özge Erdem** – *Turkey*

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?

**Janaïs Delport** – *South Africa*

## SEPTEMBER 24th, 2025 – Wednesday

### HALL A2

17:00 – 18:30

### SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY

#### Tool Development for Fraud Fight in Bee Products-2

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*



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- 17:45 – 18:00 Exploring formation of turanose in honey via stable isotope labelling and high-resolution mass spectrometry analysis  
**Xiaofeng Xue – China**
- 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 25th, 2025 – Thursday

### **AUDITORIUM 15 SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY** **11:00 – 13:00 Bee Products Quality, Safety and Standardization**

- 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 **Influence of Bee Nutrition on Royal Jelly Quality**  
**Sampat Ghosh – Republic of Korea**
- 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 – Turkey**
- 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 – Turkey**



### SEPTEMBER 26th, 2025 – Friday

#### AUDITORIUM 15

11:00 – 13:15

#### SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY

#### Sustainable and Practical Beekeeping Under Climate Challenges

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** – *Denmark*

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** – *Slovenia*

13:00 – 13:15

The effects of supplementary diets on Thai commercial stingless bee (*Tetragonula pagdeni*)

**Jakkrawut Maitip** – *Thailand*

### SEPTEMBER 26th, 2025 – Friday

#### HALL A1

14:30 – 16:30

#### SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY

#### Honey Quality and Geographical Identity-2

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*



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- 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 Metal Pollution Index, Health Risk Assessment, and Bioconcentration of heavy metal metals in the honey food chain  
**Mehwish Noor** – *Pakistan*

## SEPTEMBER 27th, 2025 – Saturday

- HALL A2**  
**09:00 – 10:30** **SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY**  
**Exploring AI, Sensors and Innovative Technologies in Beekeeping**
- 09:00 – 09:15 RNAi As a Next Generation Varroa Mite Control  
**Adam Pacht** – *New Zealand*
- 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 HiveReader: Unlocking Hive Secrets Through Thermographic Cluster Mapping  
**Petar Petrov** – *Bulgaria*
- 10:00 – 10:15 SHARP-FB:Short Hive Audio Recording Predictor of Frames of Bees  
**Nicolas Coallier** – *Canada*
- 10:15 – 10:30 PollenView - A Pioneering Cloud Platform for Semi-Autonomous Creation of Pollen Image Datasets to Democratize Automated Melissopalynology Analysis on a Global Scale: The Success Story of an Intercontinental Collaboration  
**Iratxe Perales** – *Spain*



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## SEPTEMBER 27th, 2025 – Saturday

### HALL A1

14:00 – 15:00

### SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY

#### Innovative Applications for Bee Products

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*