

SCIENTIFIC PROGRAM

AUGUST 25th, 2022 - Thursday

**USKUDAR
HALL 1 & 2
09:00 - 13:00**

MAJOR SYMPOSIUM / HONEY PURITY AND AUTHENTICITY

Moderators: *Norberto Garcia*

- 09:00 - 09:40 Protecting Honey Purity: The USP Identity Standard
Gina Clapper & Norberto Garcia
- 09:40 - 09:50 BREAK**
- 09:50 - 10:10 The Honey Fraud Mitigation Guidance
Karen Everstine
- 10:10 - 10:30 Supply Chain/Supplier Relationship/ GBP on Supplemental Feeding
Enrique Bedascarrasbure
- 10:30 - 10:40 BREAK**
- 10:40 - 11:00 Audit Strategy. True Source Honey Program.
Eric Wenger & Jill Clark
- 11:00 - 11:20 Economic Anomalies
Etienne Bruneau
- 11:20 - 11:40 Decision Criteria in Honey Purity Testing
Stephan Schwarzinger
- 11:40 - 12:00 Pure and Authentic Honey in Human Health
Cristina Mateescu
- 12:00-12:15 Harmony and Reciprocity within Indigenous Peoples' Food Systems:
The Key Role Bees Play in Sustainability
Yon Fernández-de-Larriñoa
- 12:15 - 13:00 QUESTIONS TO THE PANEL
- 13:00 - 14:00 LUNCH BREAK**

**USKUDAR
HALL 3
09:00 - 11:00**

SYMPOSIUM / BEE HEALTH MONITORING EFFECT OF PATHOGENS AND PESTS I

Moderators: *Fani Hatjina & Dirk de Graaf*

- 09:00 - 09:15 The Horizon 2020 B-GOOD project of the European Commission paves the way towards healthy and sustainable beekeeping within the European Union
Dirk C. De Graaf
- 09:15 - 09:30 Tropilaelaps spp; Risk Assessment for Türkiye
Levent Aydın
- 09:30 - 09:45 Are oxytetracycline – resistant isolates of Paenibacillus larvae circulating across Saskatchewan beekeeping operations?
Oleksii Obshta



- 09:45-10:00 International risk assessment tools: the FAO survey to investigate on antimicrobial resistance, antimicrobial use, the good beekeeping practices and the biosecurity measures in beekeeping
Marco Pietropaoli
- 10:00 - 10:15 Analysis of Pathogens Associated with Winter Colony Losses in Canada
Stephen F. Pernal
- 10:15 - 10:30 Effect of abscisic and p-coumaric acids as food supplements and stimulants of the cellular immunological system of Africanized hybrids of *Apis mellifera*
Elissa Chavez Hernandez
- 10:30 - 10:45 Artificial rearing of "*Galleria mellonella*" and effect of polystyrene and two biopesticides on larval feeding behavior
Dalida Darazy
- 10:45 - 11:00 LAMP-technology: bringing molecular virus detection to the kitchen table
Dirk C. De Graaf
- 11:00 - 11:15 BREAK**

**USKUDAR
HALL 3
11:15 - 13:15**

**SYMPOSIUM / BEE HEALTH
MONITORING EFFECT OF PATHOGENS AND PESTS II**

Moderators: Noa Simon-Delso & Mustafa Muz

- 11:15 - 11:30 Pathophysiological Effects of the Microsporidium *Nosema ceranae* Infection on Worker Honey Bees (*Apis mellifera*).
Serhat Solmaz
- 11:30 - 11:45 Chitosan-based gel application on model bees (*Apis mellifera* L.) for healing bite wounds caused by *Varroa destructor*
Aslı Özkırım
- 11:45 - 12:00 Improving Winter Losses With Caspian Method
Mackenzie Nielsen
- 12:00 - 12:15 American foulbrood risk assessment: Paradigm shift from an individual hive to a "herd health monitoring" in Canadian beekeeping industry
Elemir Simko
- 12:15 - 12:30 Does fungicide exposure or increased bacterial virulence predispose honey bees to European foulbrood during blueberry pollination in north america?
Sarah C. Wood
- 12:30 - 12:45 Comparative study between four essential oils, chemical and physical treatments against "*Varroa destructor*" on "*Apis mellifera ligustica*"
Dalida Darazy
- 12:45 - 13:00 Trans-generational immune priming in honeybees can be utilized to create vaccines against bee diseases.
Dalial Freitak
- 13:00 - 13:15 EUBP Platform: Collective approach to understanding pollinator trends and threats
Noa Simon-Delso
- 13:15 - 14:00 LUNCH BREAK**



EMIRGAN

HALL

09:00 - 13:15

ROUND TABLE OF ASIA

Moderator: *Cleofas Rodriguez Cervancia*

SPEAKERS

Mohd Zulkifli Mustafa - Universiti Sains Malaysia

Orawan Duangphakdee - King Mongkut's University of Technology Thonburi, Thon Buri (KMUTT)

Maria Amelita C. Estacio - University of the Philippines Los Banos

Tim Heard - Australian Native Bee Association

Norhasnida Zawawi - Universiti Putra Malaysia,

09:00 - 11:00

Best Practices for Sustainable Stingless Bee-Keeping

11:00 - 11:15

BREAK

11:15 - 13:15

Establishment of Standard for Stingless Bee Honey

13:15 - 14:00

LUNCH BREAK

USKUDAR

HALL 1 & 2

14:00 - 16:00

SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY HONEY PURITY AND AUTHENTICITY

Moderators: *Asli Özkök*

14:00 - 14:15

Chromatographic Determination of Foreign Diastase Adulterated Honey by Harnessing the Enzyme-Origin Differences
Ismail Emir Akyıldız

14:15 - 14:30

Identification of the Rice Syrup Adulterated Honey by Introducing a Candidate Marker Compound for Brown Rice Syrup
Dilek Uzunöner

14:30 - 14:45

Honey Adulteration Testing Update
Klaus Beckmann

14:45 - 15:00

Tackling honey fraud by identifying functional relationships between adulteration tests
Uta Peters

15:00 - 15:15

New untargeted evaluation techniques in honey by means of LC-Orbitrap-HRMS
Jule Hansen

15:15 - 15:30

Elucidating the False Positive Tendency at AOAC 998.12 C-4 Sugar Test for Pine Honey Samples
Ismail Emir Akyıldız

15:30 - 15:45

Analysis of volatile compounds – fingerprinting of mono-floral honeys.
Peter Tebbe

15:45 - 16:00

A robotized light microscope system for automated melissopalynology analysis of honey. Accurate and real-time pollen recognition powered by deep learning networks.
Pau Cardellach Lliso

16:00 - 16:15

BREAK

USKUDAR

HALL 3

14:00 - 16:00

SYMPOSIUM / BEE HEALTH METHODS TO CONTROL PATHOGENS AND PARASITES

Moderators: *Victoria Soroker & Mustafa Muz*

14:00 - 14:15

Active and efficient honeybee probiotics against AFB disease.
Ihsan Soytemiz

14:15 - 14:30

Widespread dispersal of *Vairimorpha (Nosema) ceranae* in the giant honey bee, *Apis dorsata*, in Thailand
Guntima Suwannapong



- 14:30 - 14:45 "Apilactobacillus kunkeei" from Four Species of "Apis" Can Reduce "Vairimorpha" ("Nosema") "ceranae" Infection in the Giant Honey Bee, "Apis dorsata" Fabricius, 1793
Sanchai Naree
- 14:45 - 15:00 How EM® probiotic for bees influence on gut microbiota composition of honeybees?
Ivana Tlak Gajger
- 15:00 - 15:15 Plant derived molecules as alternative substitutes to control honey bee varoosis: Essential oils as a case study
Omar Er Rguibi
- 15:15 - 15:30 Heat treatment against Varroa in an autonomous beekeeping system
Rya Seltzer
- 15:30 - 15:45 Efficacy of double-stranded RNA for the large-scale control and prevention of sacbrood virus in Apis cerana (Hymenoptera: Apidae) apiaries
Yun Sang Cho
- 15:45 - 16:00 Social and individual immunity following virus infection in honey bee (Apis mellifera)
Victoria Soroker
- 16:00 - 16:15 BREAK**

EMIRGAN HALL

14:00 - 16:00

SYMPOSIUM / APITHERAPY

BEE PRODUCTS IN HUMAN AND VETERINARY CLINICAL TRIALS I

Moderators: Dr. Ali Timuçin Atayoğlu & Cristina Mateescu

- 14:00 - 14:15 The Efficacy of Propolis Extracts as a Food Supplement in Patients with Covid-19
Betül Değer Kulaksız
- 14:15 - 14:30 Impact of intrauterine infusion of the honey/propolis mix in normal postpartum dairy cows: Preliminary study
Rejean Cleophas Lefebvre
- 14:30 - 14:45 Clinical Trials of Propolis EPP-AF® - from Safety studies until COVID-19 hospitalized patients
Andresa A Berretta
- 14:45 - 15:00 Bioavaibility of polyphenols from poplar propolis in men
Jean Francois Landrier
- 15:00 - 15:15 Philippine stingless bee Tetragonula biroi (Friese) propolis lowers blood pressure through inhibition of the Angiotensin Converting Enzyme (ACE)
Maria Amelita Celino Estacio
- 15:15 - 15:30 Does oral care with propolis affect the development of oral mucositis in pediatric oncology patients: a randomized controlled clinical study
Asli Elif Tanuğur Samancı
- 15:30 - 15:45 Clinical evaluation of a Sustained Release System based on a Propolis and natural oils biomembrane facial mask to treat acne”
Andresa A Berretta
- 15:45 - 16:00 The potential of Madu Kelulut (Heterotrigona Itama sp Honey) as a Functional Food for Dopamine Booster and Depression Prevention
Mohd Zulkifli Mustafa

16:00 - 16:15

BREAK



**USKUDAR
HALL 1 & 2
16:15 - 18:15**

**SYMPOSIUM / BEEKEEPING TECHNOLOGY & QUALITY
METHODS OF ANALYSES OF BEE PRODUCTS**

Moderators: *Aslı Elif Tanuğur Samancı*

- 16:15 - 16:30 Antibacterial activity – new honey qualitative standard reflecting biological properties of honey
Juraj Majtan
- 16:30 - 16:45 Monitoring of some quality parameters of Bingol honey at different temperatures and in different storage containers for 12 months.
İnan Dursun
- 16:45 - 17:00 Single Pot In-Situ Aqueous Derivatization and Subsequent Determination of Streptomycin and Dihydrostreptomycin Residues in Honey by Means of Mass Spectrometry
Sezer Acar
- 17:00 - 17:15 Determination of glyphosate, aminomethylphosphonic acid, glufosinate and its acetyl-metabolites in honey by IC-MS/MS
Kurt Peter Raezke
- 17:15 - 17:30 Effect of Heat Treatment on Invertase, Diastase, and HMF (Hydroxymethylfurfural) in Honey Harvested in Turkey
Aslı Elif Tanuğur Samancı
- 17:30 - 17:45 Advances in ISO standardization of bee pollen
Ufuk Alpat
- 17:45 - 18:00 A recommendation for chemical standardization of propolis and propolis-based products
Hasan Hüseyin Oruç
- 18:00 - 18:15 Effect of different parameters on the antioxidant capacity of propolis extracted by ultrasound-assisted extraction (UAE)
Fazıl Güney

**USKUDAR
HALL 3
16:15 - 18:00**

**SYMPOSIUM / BEEKEEPING FOR RURAL DEVELOPMENT
BEEKEEPING AND RURAL LIVELIHOODS I**

Moderators: *Nicola Bradbear & Santiago Rivas*

- 16:15 - 16:30 Beekeeping development and potential of bee products in GAP Provinces (Turkey)
Şahin Karahan
- 16:30 - 16:45 Explain how our beekeepers cooperatives contribute to develop the rural areas. We buy together from more than 1.000.000 of beehives in Spain.
Ramón Rodríguez Monje
- 16:45 - 17:00 The purpose of beekeeping in rural development
Janet Lowore
- 17:00 - 17:15 Beekeeping as a source of income for rural women in Issyk-Kul region, the Kyrgyz Republic
Dilbara Ismailovna Muratova
- 17:15 - 17:30 Developing a beekeeping enterprise in select rural areas in the Philippines
Anna Locsin

- 17:30 - 17:45 Bringing Back Bees & Beeks: Re-Initiating Apis cerana bee keeping with young beekeepers of Kerala (India)
Jose Louies
- 17:45 - 18:00 Capacity building for beekeeping combining virtuality with Farmer Field Schools (Dominican Republic)
Santiago Rivas

**EMIRGAN
HALL
16:15 - 18:15**

**SYMPOSIUM / APITHERAPY
BEE PRODUCTS IN HUMAN AND VETERINARY CLINICAL TRIALS II**

Moderators: Dr. Ali Timuçin Atayoğlu & Cristina Mateescu

- 16:15 - 16:30 Evaluation of the effect of Anatolian propolis on Covid-19 in healthcare professionals
Enes Güler
- 16:30 - 16:45 Effect of propolis on the treatment of subclinical mastitis in dairy cows
Neringa Sutkeviciene
- 16:45 - 17:00 Brown poplar propolis titrated in polyphenol and Covid-19 in real life: What interests ?
Claude Nonotte Varly
- 17:00 - 17:15 From the hive to the office. Uses if propolis in dentistry
Nicolás Cardozo
- 17:15 - 17:30 The use of honey and propolis against xenobiotics -Induced Oxidative Stress and Hepato-renal Damages: a potential approach that warrants a clinical exploration
Badiaa Lyoussi
- 17:30 - 17:45 Descriptive study of propolis utility for obesity treatment
Andrii Dinets
- 17:45 - 18:00 Investigation Of Potential Use Of Propolis Against The Infections Accompanied By Diaper Dermatitis (Rash)
Aslı Özkırım
- 18:00 - 18:15 An Investigation into the Effects of Ethanolic Propolis Extract on Blood Clotting Parameters
Hüseyin Şahin

