



جمعية النحالين التعاونية بالباحة  
BEEKEEPERS COOPERATIVE ASSOCIATION - ALBAHA



الجمعية العربية لتربية النحل  
Arab Beekeeping Association



وزارة البيئة والمياه والزراعة  
Ministry of Environment Water & Agriculture

# Fourth International Conference of Arab Beekeeping Association (ApiArab)

Theme:

Better bee management practices for sustainable beekeeping

## Scientific Program

18 - 19 July 2022

Saudi Arabia, Al-Baha, Baljurashi,  
National Park Hotel

For more information, please visit the website of the Arab Beekeeping Association

[www.apiarab.org](http://www.apiarab.org)

Registration time: 8:00 – 9:00 AM

## Day One – Monday 18 July 2022

<p>Opening and welcoming address <b>Prof. Ahmad Alkhazim Alghamdi</b> Head of the organizing committee President of the Arab Beekeeping Association</p>	09:00-09:10
<p><b>Session: Apitherapy session 1</b> Chair person: Dr. Stefan Stangaciu</p>	
<p>Apitherapy and Pregnancy Apitherapy and Preventive Medicine <b>Dr. Ali Atayoglu - Turkey</b></p>	09:10-09:20
<p>Apitherapy and Pregnancy <b>Dr. Ayten Atayoglu - Turkey</b></p>	09:20-09:30
<p>Apitherapy: new treatment modality in patients with psoriasis <b>Prof. Ahmed Hegazi - Egypt</b></p>	09:30-09:40
<p>Antimicrobial triterpenoids and ingol diterpenes from propolis of semi-arid region of Morocco <b>Dr. Amina Chakir - Italy</b></p>	09:40-09:50
<p>Role of bee venom and other bee products in autoimmune diseases <b>Dr. Ahmad El Sabbagh - Egypt</b></p>	09:50-10:00
<p>Potential of Sahara honey and propolis antifungal activity against Candida biofilms <b>Mr. Abdulgadir Benhelima - Algeria</b></p>	10:00-10:10
<p>Potential Role of Honeybees and their products in Treatment and Mitigating Spread of Coronavirus Disease <b>Dr. Mogbel El-Niweiri - Sudan</b></p>	10:10-10:20
<p>Therapeutic properties of honey: Bioactive compounds and Characterization methods <b>Dr. Abdullah Zahra - Egypt</b></p>	10:20-10:30
<p><b>Break</b></p>	10:30-10:50
<p><b>Session: Apitherapy session 2</b> Chair person: Dr. Abdul Rahman Koshak</p>	
<p>Beehive Air Therapy, a huge opportunity for beekeepers <b>Dr. Stefan Stangaciu - Romania</b></p>	10:50-11:00
<p>Biological and therapeutic roles of Saudi Arabian honey: A Comparative Study <b>Dr. Mohammed Ansari - India</b></p>	11:00-11:10
<p>Anti-ulcerogenic and Anti-inflammatory effects of Saharian honey from Algeria <b>Prof. Nouredine Djebli - Algeria</b></p>	11:10-11:20

Antimicrobial activity of Upper Egyptian Sidr honey and its synergistic action with antimicrobial agents <b>Prof. Sayed Hamouda - Egypt</b>	11:20-11:30
Role of Some Types of Bee's Honey in Gastric Ulcer Healing by Regulating (HSP47) and (VEGF) Expression <b>Dr. Marwa Sheir - Egypt</b>	11:30-11:40
Propolis Extract: A Possible Antiseptic Oral Care against Multidrug- Resistant Non-Fermenting Bacteria Isolated from Non-Ventilator Hospital-Acquired Pneumonia <b>Dr. Hebat-Allah Elsayeh - Egypt</b>	11:40-11:50
Synergistic Antimicrobial Effect of Egyptian Honey with Antibiotics and Its Capability to Restore MRSA Sensitive to Oxacillin <b>Prof. Abdul-Hafeez - Egypt</b>	11:50-12:00
<b>Key notes and Discussion</b>	12:00-13:00
<b>Lunch Break</b>	13:00-14:30
<b>Session: Honey bee health and welfare Chair person: Dr. Vyaceslav Yevjenyevich</b>	
Honey Bee Viruses, Diagnosis, Molecular Detection and Managements <b>Dr. Raied Abou Kubaa - Italy</b>	14:30-14:40
Honeybee disease: Nosema its impact, prevention, and control measures <b>Dr. Nasre Basuny - FAO</b>	14:40-14:50
Deformed wing virus in managed and wild honeybees in Saudi Arabia: discovery, detection, and characterization <b>Dr. Ali Hroobi - Saudi Arabia</b>	14:50-15:00
Fumagillin in IPM for Nosema Control <b>Dr. Majed Rasheed - Canada</b>	15:00-15:10
Probiotics and its impact on the bee health <b>Dr. Vyaceslav Yevjenyevich - USA</b>	15:10-15:20
Immune defense mechanisms in honeybees <b>Dr. Rola Kutby - Saudi Arabia</b>	15:20-15:30
<b>Break</b>	15:30-15:50
Using foraging behavior, mortality and heat shock proteins as measures of heat acclimatization in honey bees <b>Dr. Shahera Zaitoun - Jordan</b>	15:50-16:00
Improving seed treatment methods: A key factor to reduce the risk to Honey bees and other pollinators to maintain biodiversity <b>Dr. Hayder Abdelgader - Saudi Arabia</b>	16:00-16:10

Effect of communication towers on the performance and behavior of <i>Apis mellifera</i> L. (Hymenoptera: Apidae): The external activity in Baghdad, Iraq <b>Dr. Faiza Salah - Egypt</b>	16:10-16:20
Advantages and disadvantages of supplementary feeding with inverted sugar <b>Dr. Mohamed Omar - Egypt</b>	16:20-16:30
Developing national strategy for honeybee's health and disease control for Kingdom of Saudi Arabia <b>Mr. Hassan Balhareth - FAO</b>	16:30-16:40
<b>Key notes and Discussion</b>	16:40-17:20

## Day Two – Tuesday 19 July 2022

### Session: Honey bee breeding and selection Chair person: Prof. Mohammed Khanbash

Breeding locally adapted bees: ongoing efforts on <i>Apis mellifera ligustica</i> in Italy <b>Mr. Raffael Dall'Olio - Italy</b>	08:30-08:40
Results and Perspectives of Native Honey Bee Conservation Project in Saudi Arabia <b>Dr. Ramzi Alsahran - Jordan</b>	08:40-08:50
Study of the reproductive performance of drones and queen bees of <i>Apis mellifera intermissa</i> in north of Algeria <b>Mr. Hamidou Latrech - Algeria</b>	08:50-09:00
Correlation study between different morphological and biometric parameters and queen performance in mound bee reproduction ( <i>Apis mellifera intermissa</i> ) <b>Dr. Hennane Sarra</b>	09:00-09:10
<b>Key notes and Discussion</b>	09:10-09:40

### Session: Honey Quality and Adulteration Chair person: Dr. Norberto Garcia

Status of Adulteration of honey in the world <b>Prof. Norberto Garcia - Argentina</b>	09:40-09:50
Sensory analysis to promote honey and enhance its quality: the Italian experience <b>Mr. Gian Luigi - Italy</b>	09:50-10:00

Magnetic Resonance: A tool for detecting fraud in honey and other foods <b>Dr. Peter Awram - Canada</b>	10:00-10:10
Major, Trace and Toxic Elements of Honey Samples from Dinder Biosphere Reserve <b>Dr. Lubna Abdallah - Sudan</b>	10:10-10:20
Quality control of some local honey samples in comparison with Manuka honey <b>Dr. Amal Mohammad - Jordan</b>	10:20-10:30
The role of the Food and Drug Authority in setting legislation that guarantees the safety and quality of honey in Saudi Arabia <b>Ms. Rania Boukas - Saudi Arabia</b>	10:30-10:40
<b>Break</b>	10:40-11:00
<b>Key notes and Discussion</b>	11:00-11:30
<b>Session: Sustainable beekeeping and honey bee products</b> <b>Chair person: Dr. Dany El-Obeid</b>	
Sustainable Beekeeping, targeting rural development in the Kingdom of Saudi Arabia <b>Dr. Nuru Adgaba - FAO</b>	11:30-11:40
Monitoring Mediterranean bee subspecies and their resilience to climate change for the sustainable improvement of agroecosystems <b>Prof. Noureddine Adjlane - Algeria</b>	11:40-11:50
Apicultural landscape development and restoration in AlBaha Province, Southwestern Saudi Arabia <b>Mr. Yilma Tadesse - Ethiopia</b>	11:50-12:00
Countering the impact of climate change on honeybees to meet the nutritional requirements <b>Dr. Mohamed Desoky - Egypt</b>	12:00-12:10
Effectiveness of Bee Pollination on The Yield Components of Broad Bean in Ismailia, Egypt <b>Dr. Kariman Mahmoud - Egypt</b>	12:10-12:20
Tunisia's Experience in Organic Beekeeping <b>Mr. Abbas Saidi - Tunisia</b>	12:20-12:30
<b>Lunch Break</b>	12:30-14:00
The composition and quality of royal jelly produced in AlBaha region of Saud Arabia <b>Mr. Abdulqadir Bazeyad - Yemen</b>	14:00-14:10

Using Geographical Information System and Remote Sensing Analysis to Detect Resin-Rich Areas for Propolis Production from Apiaries <b>Dr. Abdulraouf Amro - Egypt</b>	14:10-14:20
Effects of bees feeding of soft drink on biochemical composition of honey samples and probability of its impact on bee health and vitality <b>Mrs. Tahani Al-Zahrani - Saudi Arabia</b>	14:20-14:30
<b>Key notes and Discussion</b>	14:30-15:00
General discussion, Conclusive remarks and end of sessions - Prof. Ahmad Alkhazim Alghamdi - Prof. Mohammed Saeed Khanbash - Dr. Nuru Adgaba Mohammed	15:00-15:30