



PROGRAM BOOK

6.INTERNATIONAL MUGLA BEEKEEPING & PINE HONEY CONGRESS 15-19 OCTOBER 2018 OLUDENİZ - MUGLA

Organized By



Supported by



**16.30 - 18.30 HALL - A
PANEL - WORLD BEEKEEPING
Moderator: Ziya ŞAHİN**

Speakers

Karl CRAILSHEIM
Jeff PETTIS
Milan Wiercx van RHIJN
Lucas LANDI
Cristina MATEESCU
Miguel Vilas BOAS
Banu YÜCEL

18.30 - 19.00 POSTER SESSION

**21.00 - 23.00 AMPHITHEATRE
INTERNATIONAL BEEKEEPING AWARDS**

17 OCTOBER 2018 – WEDNESDAY

**09.00 - 10.30 HALL - A
SESSION - A4
Moderator: Prof. Dr. H. Vasfi GENÇER**

09.00 - 09.15 Determination of Changes During Storage in Some Pollen Quality Parameters Packed by Different Methods
Neslihan ÇAKICI, Nurten TÜR KARSLAN, Fazıl GÜNEY

09.15 - 09.30 The Effects of Different Industrial Sugars Feeding on the Yield of Royal Jelly of the Honeybee (*Apis mellifera L.*) Colonies
Semiramis KARLIDAĞ, Abuzer AKYOL, Gülşah SAATÇIOĞLU, Abdurrahman KÖSEMAN, İbrahim ŞEKER, Selim ERDOĞAN, Ayşe Burçin UYUMLU, Murat YILMAZTEKİN

09.30 - 09.45 What can be the source of the oak honey?
Aslı ÖZKÖK, Kadriye SORKUN

09.45 - 10.00 Aroma Composition of Heather Honeys and Their Mixtures
Selçuk KÜÇÜKAYDIN, Çiğdem KUŞ, Fatih ÇAYAN, Özge TAŞ, Mehmet Emin DURU

10.00 - 10.30 Diversification As A Tool For Sustainable Beekeeping: Are International Standards A Bottleneck?
Miguel Vilas BOAS

10.30 - 11.00 COFFEE BREAK

**11.00 - 12.30 HALL - A
SESSION - A5
Moderator: Prof. Dr. Mehmet Emin DURU**

11.00 - 11.15 Developments for Production of Pine Honey in the Scope of Beekeeping-Forestry Relations in Muğla - Turkey
Mehmet KORKMAZ, Mustafa AVCI

11.15 - 11.30 The situation of transplanted *Marchalina hellenica* in Mersin forests
Serdar GÖKTEPE, Şükran OĞUZOĞLU, Meltem KALAY GÖKTEPE, Mustafa AVCI

16.30 – 18.30 **HALL – A**
PANEL – WORLD BEEKEEPING
Moderator: Ziya ŞAHİN

Speakers

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Miguel Vilas BOAS

18.30 – 19.00 **POSTER SESSION**

21.00 – 23.00 **AMPHITHEATRE**
TURKISH BEEKEEPING AWARDS
AWARD CEREMONY

17 OCTOBER 2018 – Wednesday

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10.00 – 10.30 **Diversification As A Tool For Sustainable Beekeeping: Are International Standards A Bottleneck?**
Miguel Vilas BOAS

DIVERSIFICATION AS A TOOL FOR SUSTAINABLE BEEKEEPING: ARE INTERNATIONAL STANDARDS A BOTTLENECK?

Miguel Vilas-Boas

APIMONDIA, Vice-President of the Scientific Commission on Beekeeping Technology and Quality

Mountain Research Centre (CIMO), Polytechnic Institute of Bragança, Campus de Sta. Apolónia, 5300-253 Bragança, Portugal

Climate changes and global market are two major stressors on beekeeping, particularly in European countries, demanding a different approach from the beekeeper side to guarantee the sustainability of the activity. The frequent changes in weather conditions modify all the behaviours that support the bee's actions, from deregulations in the flowering calendar arising from changes in rain frequency or average temperatures, to the disappearance of many plants due to global warming and forest fires. In addition, the easy mobility of cargo all around the world enables the spreading of pests and diseases, at the same time that allows an unpredictable fluctuation on the market value of bee products.

Those threats induces an even bigger problem in apiculture since the majority of European beekeepers are focused solely on the production of honey, and so, as any farm depending on a single cultivar, there is no alternative to overcome a specific handicap in the production or in the market. The answer for a sustainable beekeeping can be found within the hive, and relies on diversification. Rather than explore just honey, beekeeper must look to the colony as a factory for many different products which can supply final consumers, but also the food industry, cosmetics, pharmaceuticals and even medical care or tourism. Products such as pollen, propolis, beeswax, royal jelly, or even beebread, bee brood, bee venom or api-tourism represents a potential add value and, explored together with honey production, will enhance the resilience of beekeeping against external inputs.

As for any product introduced in the market, particularly for industrial propose or for human consumption, its systematic use requires a clear knowledge of its quality and impact, and so, there is need for standardization. The quality standards for honey are accepted worldwide but that is not the case for the other bee products, where only national guidelines can be found for some countries around the globe. The inexistence of recognized standards is a handicap for international trade, and makes difficult the adoption of production practises from beekeepers behalf. It is therefore critical to link the different international organizations such as ISO, EU, APIMONDIA, IHC and others, and to promote the establishment of international reliable standards.