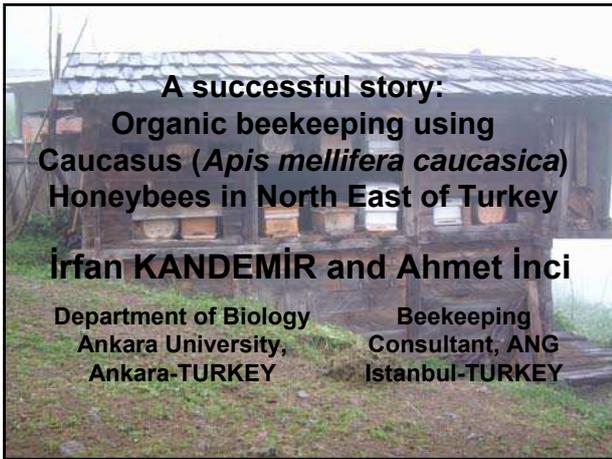


**A successful story:
Organic beekeeping using
Caucasus (*Apis mellifera caucasica*)
Honeybees in North East of Turkey**

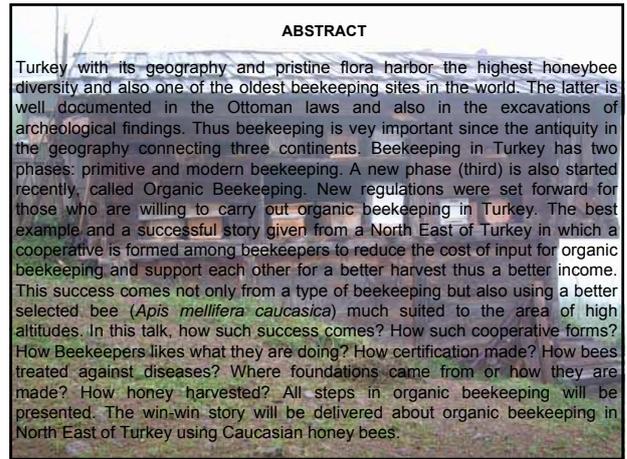
İrfan KANDEMİR and Ahmet İnci

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ABSTRACT

Turkey with its geography and pristine flora harbor the highest honeybee diversity and also one of the oldest beekeeping sites in the world. The latter is well documented in the Ottoman laws and also in the excavations of archeological findings. Thus beekeeping is very important since the antiquity in the geography connecting three continents. Beekeeping in Turkey has two phases: primitive and modern beekeeping. A new phase (third) is also started recently, called Organic Beekeeping. New regulations were set forward for those who are willing to carry out organic beekeeping in Turkey. The best example and a successful story given from a North East of Turkey in which a cooperative is formed among beekeepers to reduce the cost of input for organic beekeeping and support each other for a better harvest thus a better income. This success comes not only from a type of beekeeping but also using a better selected bee (*Apis mellifera caucasica*) much suited to the area of high altitudes. In this talk, how such success comes? How such cooperative forms? How Beekeepers likes what they are doing? How certification made? How bees treated against diseases? Where foundations came from or how they are made? How honey harvested? All steps in organic beekeeping will be presented. The win-win story will be delivered about organic beekeeping in North East of Turkey using Caucasian honey bees.



ORGANIC BEEKEEPING

Collection of nectar water, pollen, propolis etc. by the bees, in all steps

- no feeding
- no medication
- from nature only
- controlled
- certified

Law published in the official gazette in July 11, 2002 with a number 24812



CERTIFICATE
(OPERATION CERTIFICATE / MÜTEAŞSİZ BERTİFKASYON)

Organik Çiçek Balı, Nurettin Özgürel
Kasaba Mahallesi, Hürriyet Caddesi No:3 Pülümür
TUNCELİ TÜRKİYE

Organik Çiçek Balı / Flower Honey

Validity: 2009/2019 June 31st December 2019

Certificate No: 787332

Version No: 0201

Konular: 16.12.2009

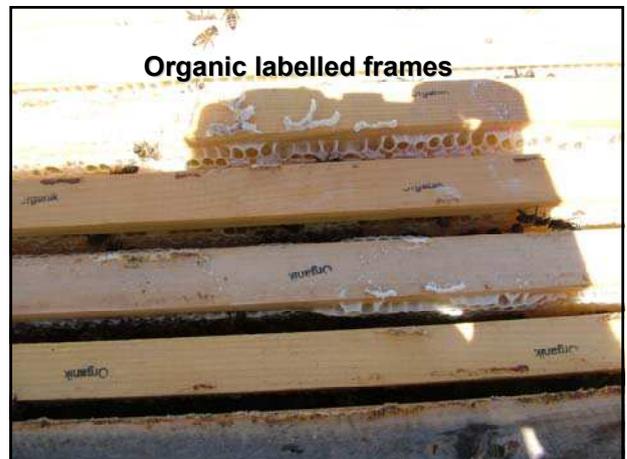


Organic beekeeping depends on

- hives
- environment
- harvesting
- storage



Organic labelled frames





**Organic Apiary
in
Ardahan/Turkey**

Some important characteristics of organic beekeeping

- 1- Transition period
- 2- origin of bees
- 3- region
- 4- feeding
- 5- diseases and parasites
- 6- beekeeping materials

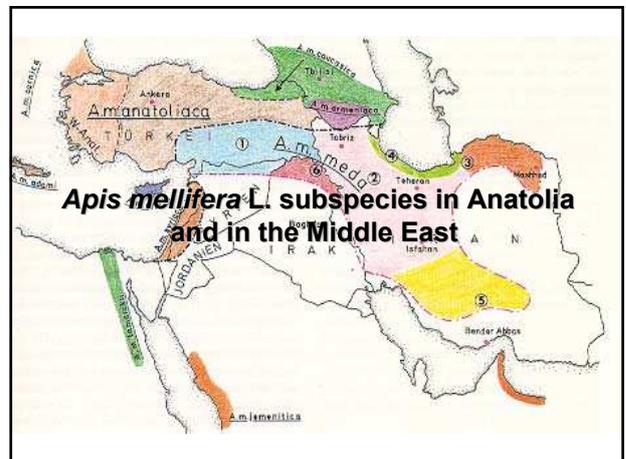
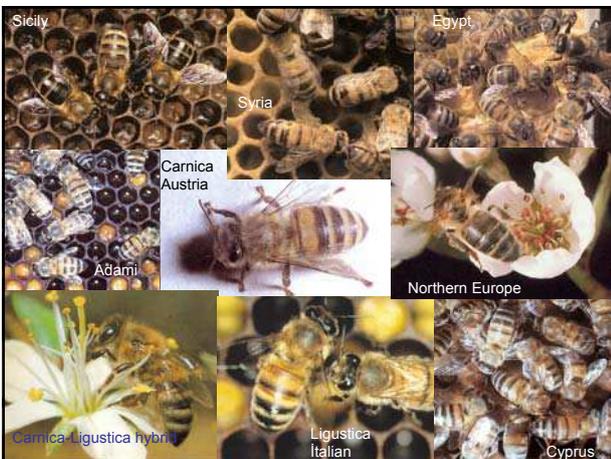
The origin of honey bees

In organic beekeeping, which honeybee race should we use ?

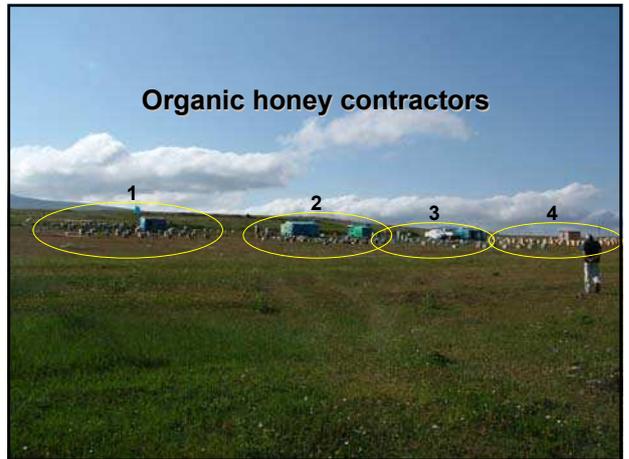
- Adaped to the area where organic beekeeping is going to be practiced
- Resistant to diseases and parasites

Honey bee subspecies in the World

- *A.m. carnica*
- *A.m. ligustica*
- *A.m. cecropia*
- *A.m. adami*
- *A.m. mellifera*
- *A.m. caucasica*
- *A.m. iberica*
- *A.m. scutellata*
- *A.m. lamarckii*
- *A.m. litorea*
- *A.m. anatoliaca*
- *A.m. syriaca*
- *A.m. armeniaca*
- *A.m. cyprica*
- *A. m. meda*
- *A. m. monticola*
- *A. m. yemenitica*
- *A. m. adansonii*
- *A. m. capensis*
- *A. m. unicolor*
- *A. m. sahariensis*
- *A. m. sicula*
- *A. m. intermissa*
- *A. m. pomonella*
- *A. m. ruttneri*







Economically

ORGANİK BAL
50 TL.

ORGANİK KARAKOVAN BALI
70 TL.

Organic Honey ~25€

Organic log hive honey ~35€



High and isolated places
in
Northeast Turkey
suit very well for both
queen production
and
Organic beekeeping



However, organic beekeeping or not,
but
we should keep in mind that
we
have to protect
and
conserve our pollinators
that is
honey bees



Thanks.....

