

# BEEHIVES AIR HOUSE, Api-Tourism, and Api-Nutrition. Functional concept and successful models in Romania and in the World

Varadi Alina Felicia - Beekeeper, Technician nutritionist specialized in  
Api-Nutrition, General Manager of Api-Nutrition and Apitherapy Center,  
„CasaBIO”, Cluj-Napoca  
E-mail: [alina@casabio.ro](mailto:alina@casabio.ro)



# Why beehive air and beehive products?

- ✓ It is known that beekeepers have a long life due to the *usually* higher consumption of bee products, the environment AND breathing the beehive air
- ✓ It is scientifically proven that bee products consumed by beekeepers support their longevity:

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## The relationship between telomere length and beekeeping among Malaysians

[Nurul Fatimah Mohamad Nasir](#), [Thirumulu Ponnuraj Kannan](#) , [Siti Amrah Sulaiman](#), [Shaharum Shamsuddin](#), [Ahmad Azlina](#) & [Stefan Stangaciu](#)

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### Abstract

The belief that beekeepers live longer than anyone else is present since ages. However, no research has been done to explore the longevity of life in beekeepers. Here, we investigated the telomere length in 30 male beekeepers and 30 male non-beekeepers and associated them with the longevity of life using Southern analysis of terminal restriction fragments (TRFs) generated by Hinf I/Rsa I digestion of human genomic DNA using *TeloTAGGG* Telomere Length Assay. Interestingly, we found that the telomere length of male beekeepers was significantly longer than those of male non-beekeepers with a  $p$  value of less than 0.05, suggesting that beekeepers may have longer life compared to non-beekeepers. We further found that the consumption of bee products for a long period and frequent consumption of bee products per day are associated with telomere length. An increase of year in consuming bee products is associated with a mean increase in telomere length of 0.258 kbp. In addition, an increase in frequency of eating bee products per day was also associated with a mean increase of 2.66 kbp in telomere length. These results suggested that bee products might play some roles in telomere length maintenance.



# What is beehive air?

- ✓ Beehive air is a combination of air + volatile substances from all bee products: propolis, wax, pollen, bee bread, royal jelly, honey, bee venom but also queen, bee and drones' larvae. All come with a supply of precious volatile substances, including beehive specific pheromones which support the health benefits of beehive air.



# Beehive air circulation

- ✓ Passive ascension due to its heat
- ✓ Bee wings ventilation, to get fresh air from environment, to decrease the humidity from the air in order to mature the honey through nectar drying
- ✓ Absorbtion by human made ventilators with pollen filters
- ✓ Transfer of beehive air through tubes to the breathing mask

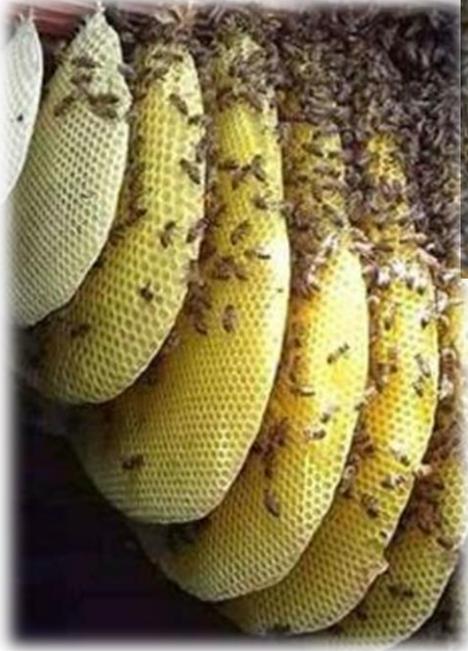


✓ Passive ascension due to its natural heat

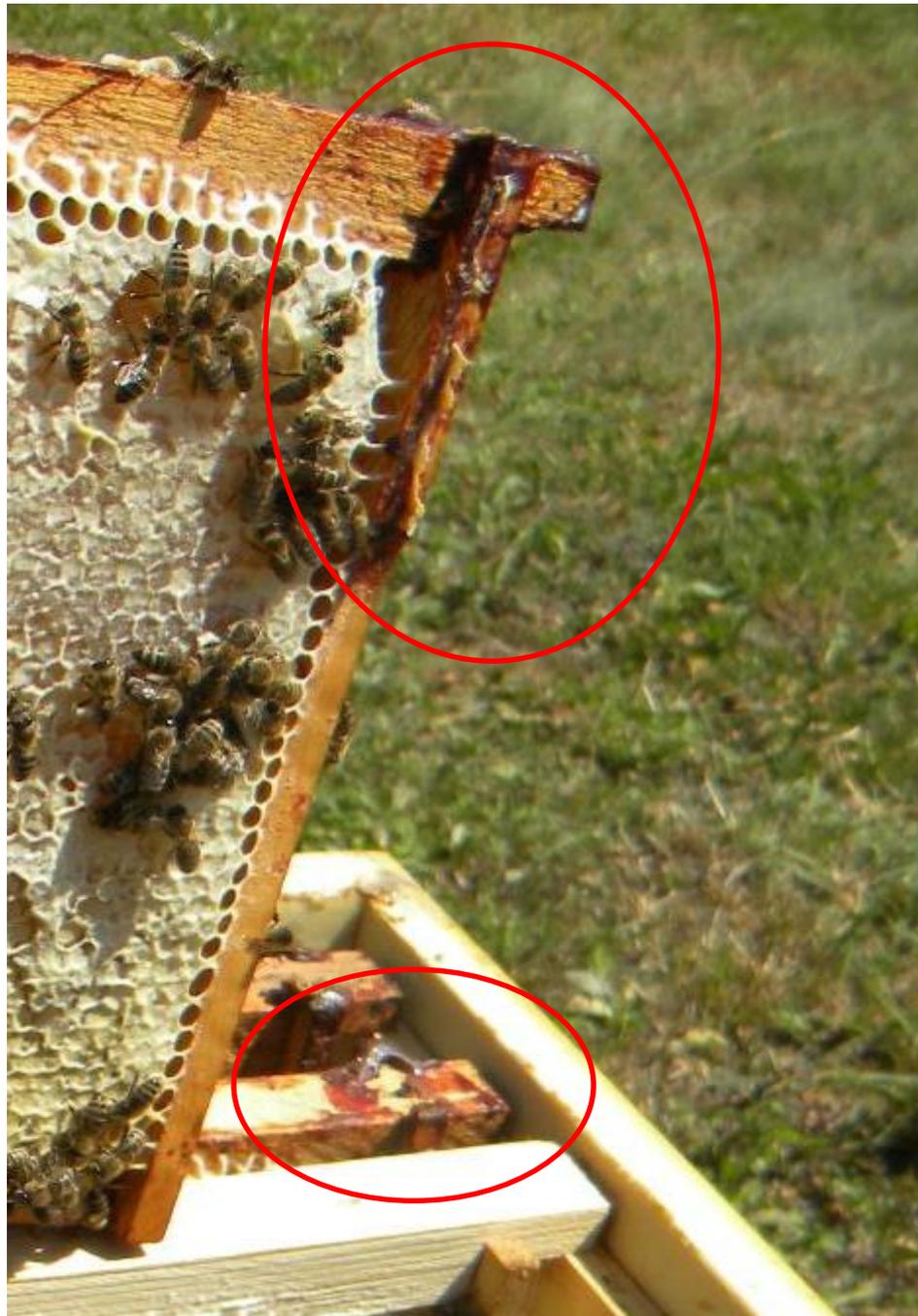


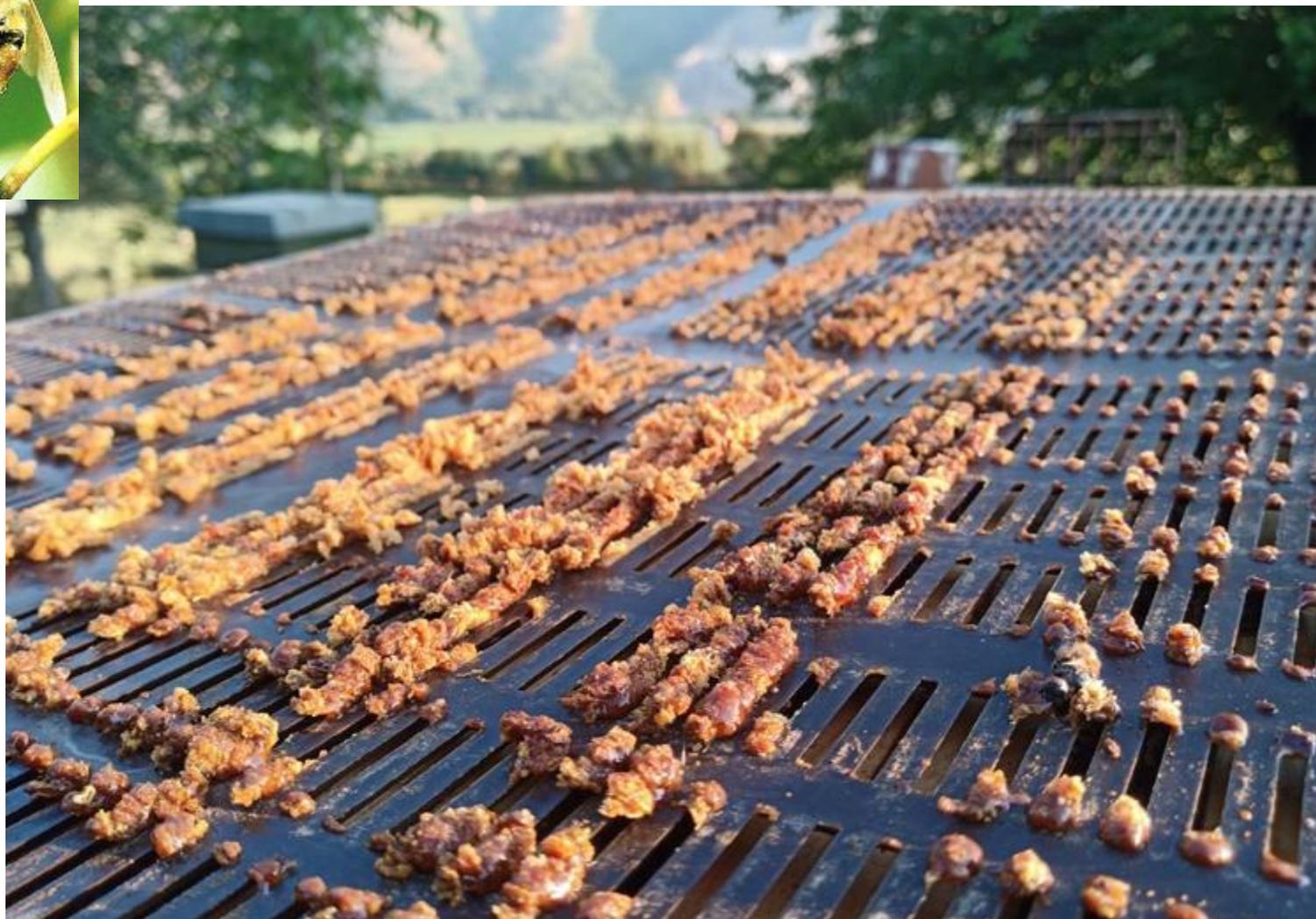
# House with beehives air, Romania





Propolis  
covering  
the frames





# Beeswax covering the frames and the comb









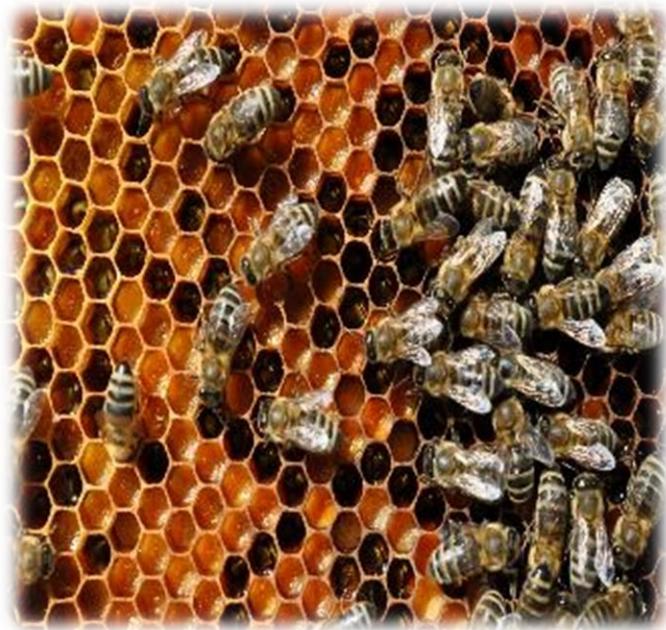
# Picking transfer of bee larvae for queen breeding











# Propolis inhalation reduce allergic airway inflammation

2012 International Conference on Nutrition and Food Sciences  
IPCBE vol. 39 (2012) © (2012) IACSIT Press, Singapore

## Propolis Inhalation Reduces Allergic Airway Inflammation in *Dermatophagoides Farinae* -Treated Mice.

Ryoji HIROTA<sup>1+</sup>, Nlandu Roger NGATU<sup>1</sup>, Hiroyuki NAKAMURA<sup>2</sup> and Narufumi SUGANUMA<sup>1</sup>

<sup>1</sup> Department of Environmental Medicine, Kochi Medical School

<sup>2</sup> Department of Environmental and Preventive Medicine, Kanazawa University Graduate School of Medical Science

**Abstract.** Propolis is one of the main flavonoids which is reported to inhibit the inflammatory response by suppressing the production of reactive oxygen species. The aim of this study was to evaluate whether propolis can inhibit *Dermatophagoides farinae* -induced airway hyperresponsiveness (AHR), eosinophilic infiltration and other histological changes in the lung, T helper (Th)2 cytokine production and airway remodeling in a mice model of asthma. Treatment with propolis significantly reduced the levels of IL-5, IL-13, eotaxin, MCP-1, and TGF- $\beta_1$  in bronchoalveolar lavage fluid. The goblet cell metaplasia, thickness of airway smooth muscle, and airway fibrosis were markedly decreased in propolis-treated mice. Furthermore, AHR to acetylcholine was significantly abrogated in propolis-treated mice. These results indicate that propolis has a potential to reduce airway remodeling and AHR in asthma model.

**Keywords:** Propolis; Asthma; *Dermatophagoides farinae*; Airway inflammation; Th2 cytokine

# What is beehives air and house with beehives air?

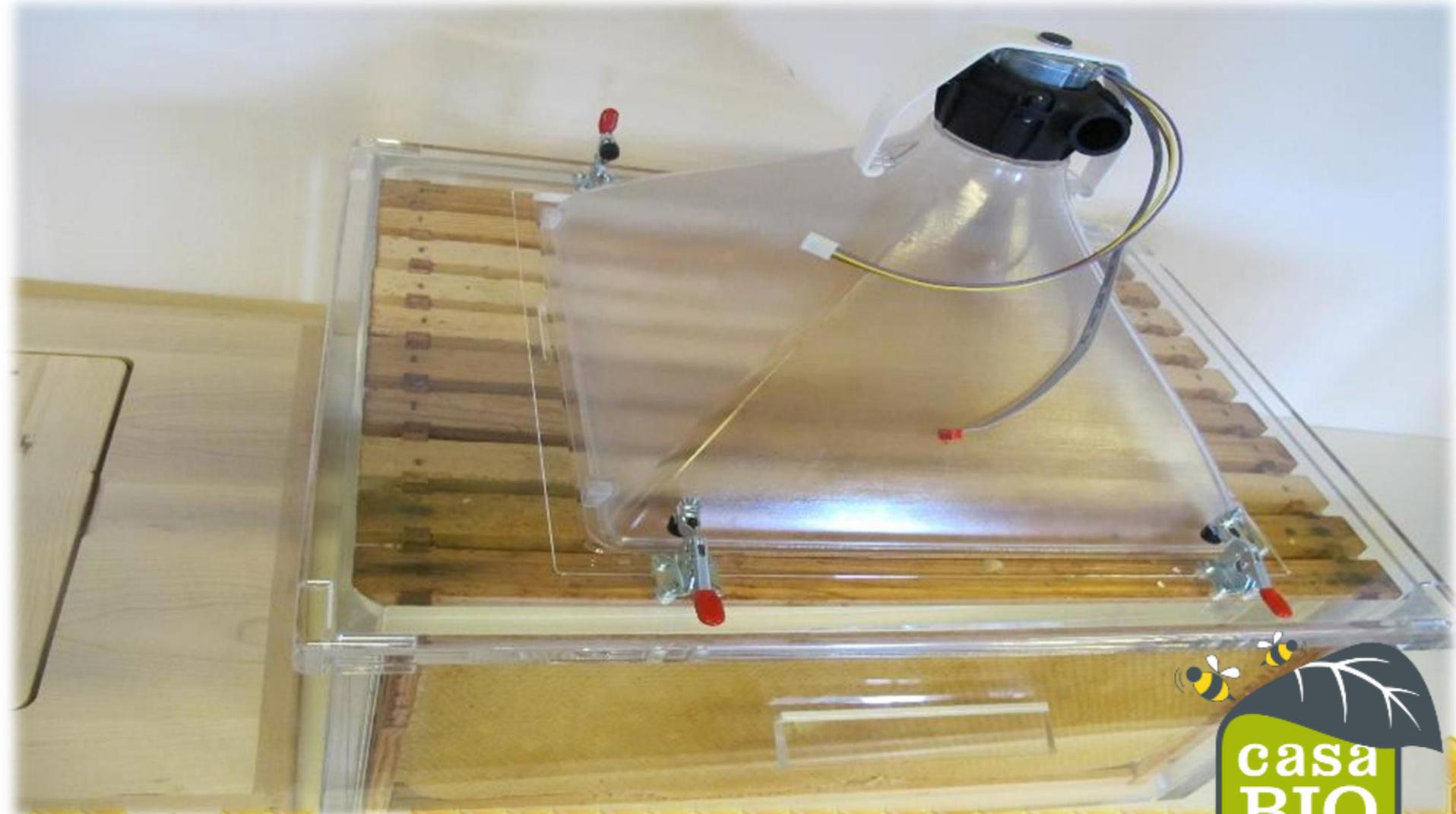
- ✓ Beehives air can be obtained by placing a device on the hive cover, which causes air to be extracted from the hive (which contains volatile substances) if the hive is with a lot of very young bees and very well developed or by placing a bed as a cover over several hives. The bed provided with holes that allow the air of the hive to enter in the room. These hives are sheltered by a natural wooden house. The hives being embedded in the wall of the house, with the possibility of visiting both side: inside and outside. (beehouse of Tanase Liviu Mitica, Braila county, Romania)



# Device to extract beehives air



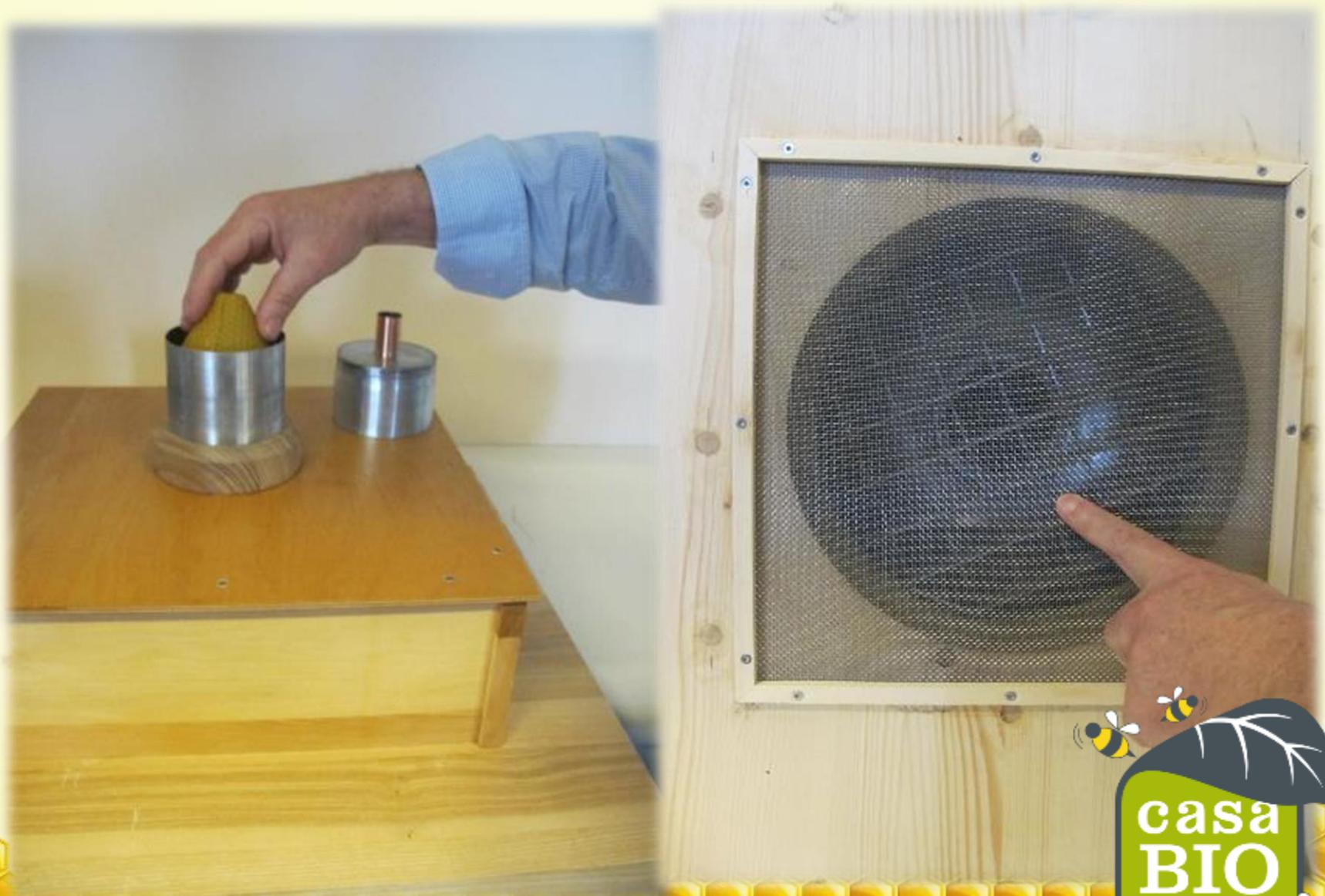
# Device to extract beehives air, Germania



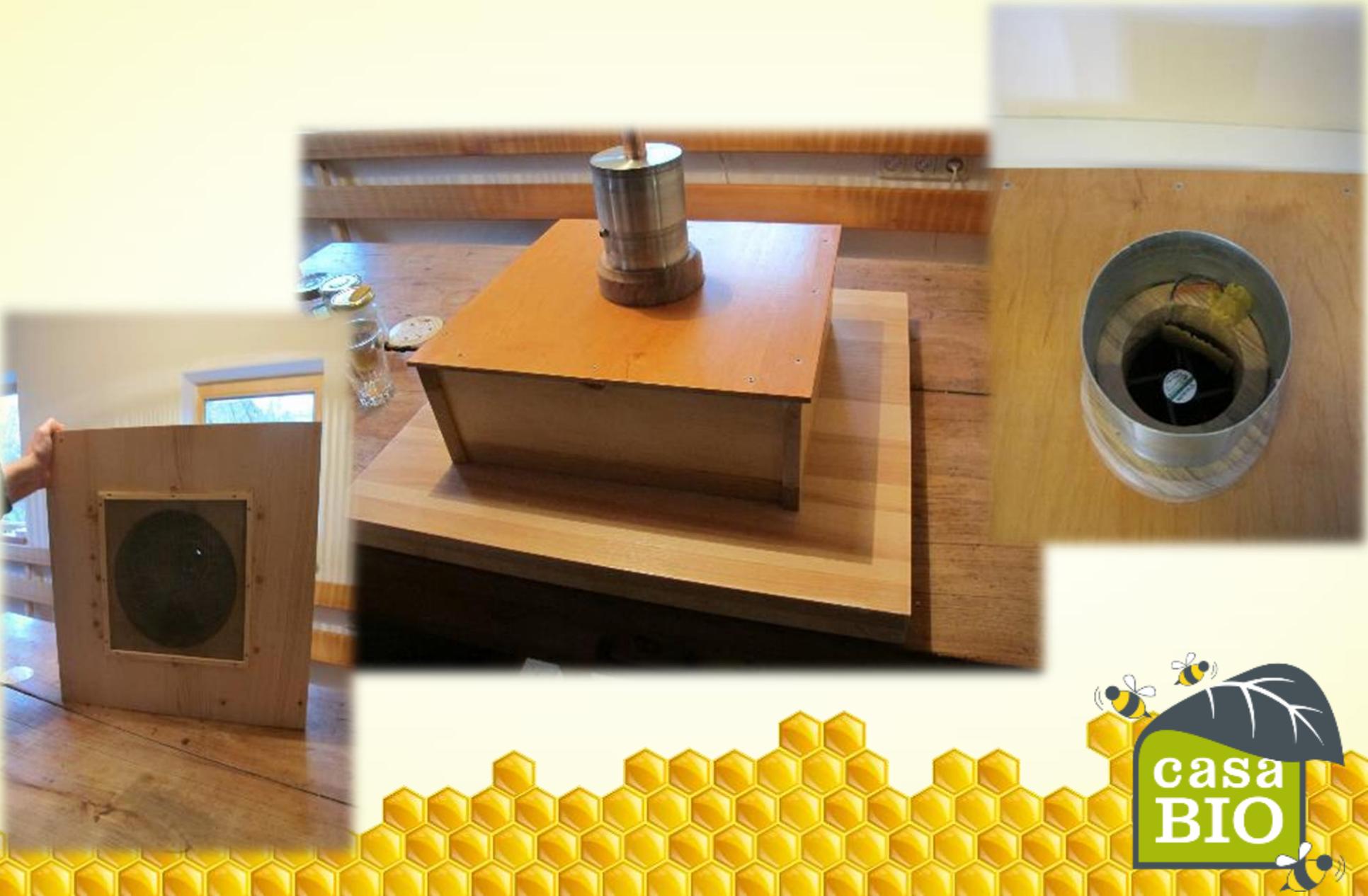
# Device to extract beehives air, Romania



# Device to extract beehives air, Germany Gerhard Goldsche



# Device to extract beehives air, Germany



# Device to extract beehives air, Germany



# Device to extract beehives air, Romania System of Martinescu Adrian



# Device to extract beehives air, Slovenia



# House with beehives air, Romania



# Device to extract beehives air, România



# House with beehives air, Romania



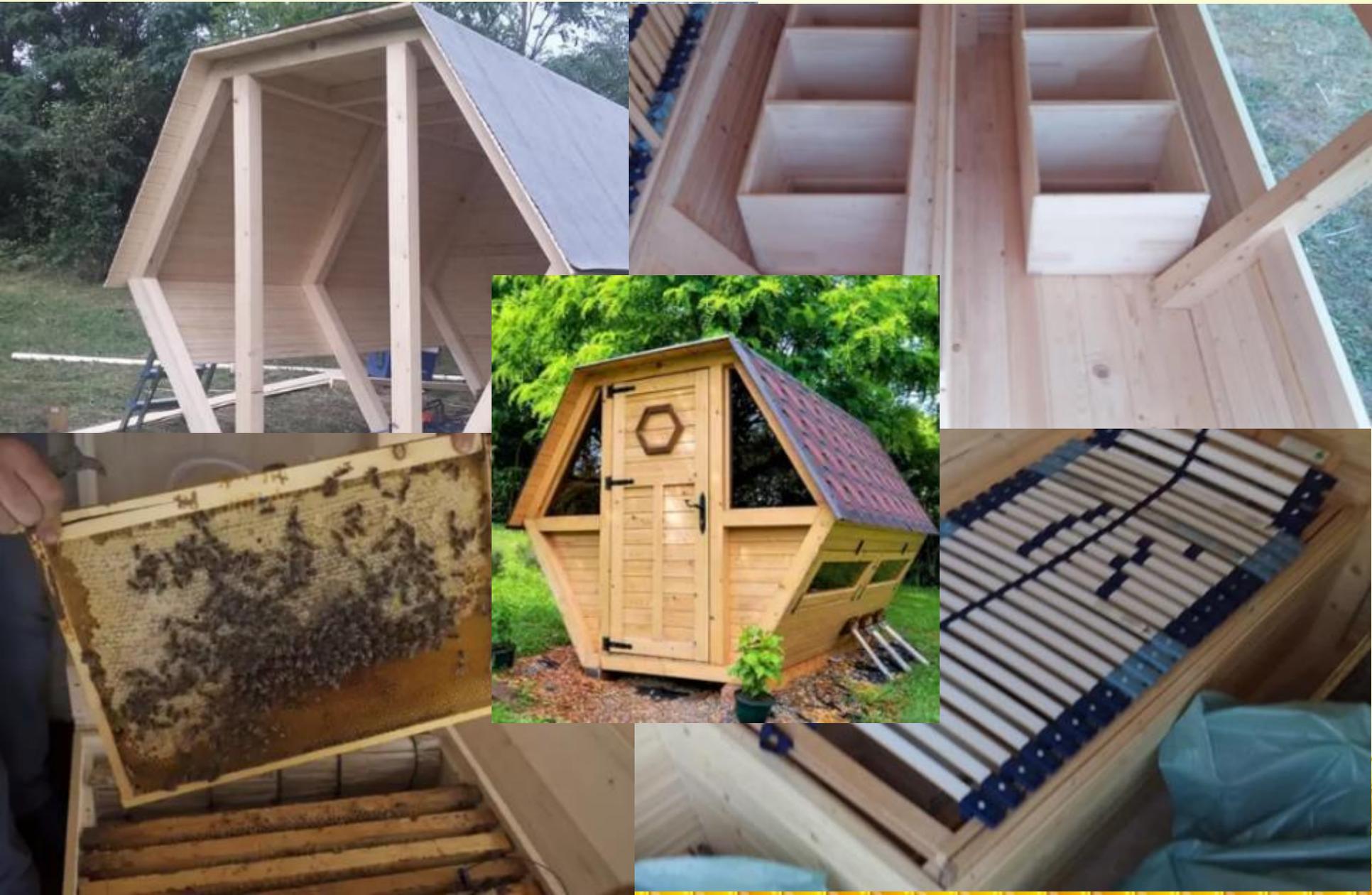
# From beehive air to, propolair, Romania



# CasaBIO Api-Air House, Romania



# Beehives house with beehives air, Romania



# Beehives house with beehives air, Slovenia



# Beehives house with beehives air, Slovenia



# Beehives house with beehives air, Slovenia



# Beehives house with beehives air, Slovenia



# Beehives house with beehives air, Slovenia



# Beehives house with beehives air, Slovenia



# Beehives house with beehives air, Kiew



# Beehives house with beehives air, Rusia



# Beehives house with beehives air, Slovakia



# Beehives house and other points of attraction and information in Slovakia



# Beehives house with beehives air, Polonia



# Beehives house with beehives air, Polonia



# Beehives house with beehives air, Poland



# Beehives house with beehives air, Poland



# Beehives house with beehives air, România



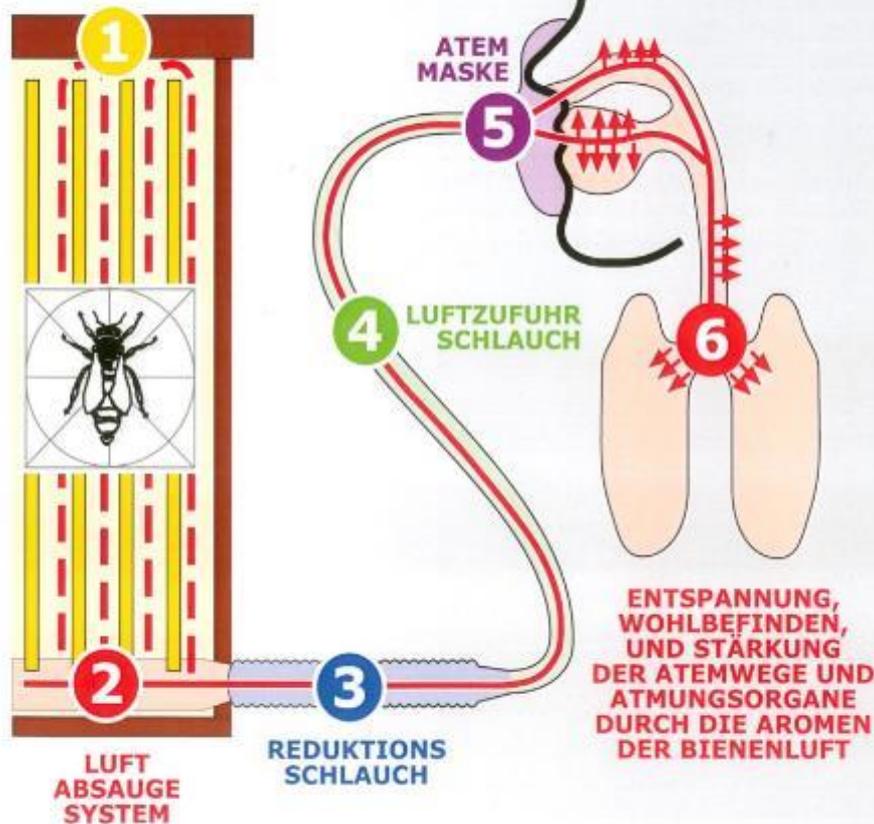


1. österreichisches  
**APITHERAPIE**  
Kompetenzzentrum

Entspannung - Wohlbefinden - Stärkung  
durch die Kraft der Königin

SÖLL / TIROL

**APITHERAPIE  
BIENENSTOCK**



# Atmen Sie sich gesund mit Bienenluft®

Bienenluftanwendungen sind nur ein Teil der Apitherapie, unterscheidet sich jedoch von anderen Anwendungen entscheidend. Wie läuft eine Anwendung der Bienenluft-Apitherapie ab.

In einem Bienenstock herrscht in der Regel eine durchschnittliche Temperatur, zwischen 35 - 37°C. Die Bienen bringen Nektar, Pollen, Harze und viele andere natürliche Stoffe in den Bienenstock ein. Hier werden diese von ca. 80.000 Bienen verarbeitet. Es entstehen dabei Dämpfe mit wohltuendem Aroma - nach Honig, Propolis, Pollen und Wachs.

Aus einem eigens für diese Zwecke entwickeltem Bienenstock (1) wird durch ein spezielles Luftabsaugesystem (2) die im Bienenstock befindliche Warmluft mit den beinhalteten Aromadämpfen mittels Schlauch (3 + 4) zur Atemmaske (5) geführt. Ab hier spürt der Kurgast die Kraft der Königin mit jedem Atemzug. Er führt seinen Atemwegen und Atmungsorganen (6) den Balsam aus Pollen, Honig, Propolis und Wachs zu und erhält so eine natürliche Stärkung dieses Bereiches. Die Anwendungen für Entspannung, Wohlbefinden und Stärkung sollten in der Regel über einen Zeitraum von 10 - 14 Tage dauern. Pro Tag sind zwei Sitzungen von anfänglich 30 Minuten bis zu einer Stunde vorgesehen. Gönnen Sie Ihren Atmungsorganen Erholung und geben Sie ihnen den Balsam den sie benötigen, unsere Bienenluft. Die einzelnen Anwendung können nur während der warmen Jahreszeit, von Anfang Mai bis Ende August, angewandt werden.

# Beehives air for horses- increases endurance and lung capacity

## Die Heilkraft der Bienenapotheke

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Trotz des medizinischen Fortschritts haben Naturheilmittel wie Honig und andere Bienenprodukte nicht ausgedient. Ganz im Gegenteil: „In der heutigen Zeit zählt die rasant wachsende Zahl von Krankheitserregern, die zunehmend unempfindlicher gegen gängige Antibiotika werden, zu den größten Herausforderungen der Infektionsmedizin“, betont Dr. Friedrich Hainbuch. Der Hobbyimker und Freizeitreiter ist Autor des Buches „Bienenapotheke für Pferde“.

Seit etwa 20 Jahren weisen Forschungen darauf hin, dass mit Bienenprodukten gefährliche Krankheitskeime und die von ihnen verursachten gefürchteten chronischen Erkrankungen hochwirksam bekämpft werden können. „Auch bei der Milderung von Nebenwirkungen durch Medikamente in der Pferdemedizin werden teilweise deutlich bessere Resultate erreicht, als es mit pharmazeutischen Produkten möglich wäre“, sagt unser Experte.

### Die Geschichte der Apitherapie

*Text: Aline Müller*

*Foto: [www.Slawik.com](http://www.Slawik.com)*

**Honig und die damit zusammenhängenden Bienenprodukte haben sich seit mehreren Jahrtausenden als Naturheilmittel bewährt. Die sogenannte Apitherapie kann die klassische Veterinärmedizin begleiten, wenn nicht manchmal sogar ersetzen. Wie die Bienenapotheke Pferden helfen kann, erklärt Dr. Friedrich Hainbuch.**

„Today, the growing number of pathogens, which are becoming increasingly insensitive to common antibiotics, is one of the biggest challenges facing the medical system against infections, "says Dr. Friedrich Hainbuch. - hobby beekeeper and reinventive rider is the author of the book "Pharmacy of bees for horses". Research for about 20 years has shown that bee products can be used to fight dangerous germs and the dreaded chronic diseases they cause. "Even when side effects are attenuated by drugs in allopathic medicine, sometimes better results are sometimes obtained than would be possible with pharmaceuticals," says our

## Important aspects in the construction for beehives house with beehives air

- ✓ In a natural wooden house we place the hives with the warp in the wall of the house, but with the possibility to slide on a rail the exit of the hives outside, so that the intervention in the hives is done from the outside, so we avoid disorienting the bees (to knock on the windows) , or stay inside the house
- ✓ The house should have at least 4 hives provided with beehives air or a bed placed as a housing over the hives at a distance of 20 cm with the possibility of folding
- ✓ The hives in the house should be with a lot of young brood, propolis, but also all bee products inside.
- ✓ Volatile substances produced by bees in the family, for example specific to the queen for her recognition, family cohesion and communication between bees are very important in beehives air therapy.
- ✓ In the beehives house you can keep the wax, or the combs that you permanently change (or freeze them before storing them).
- ✓ Glass observation hive - for viewing the life of the hive is fascinating peoples
- ✓ All these miracles of nature can be used successfully in maintaining or health.



# THE BEEHIVES HOUSE – ADVANTAGES

## ADVANTAGES:

- ✓ Possibility of attraction for the direct sale of the beehives products
- ✓ Attracting new potential consumers through direct contact with the beekeeper
- ✓ A form of transmission of information about the life of bees and hive products
- ✓ It will push you to consume your own products - prevention in storage your family's health - this is the way that you will have something to share your experience
- ✓ Specialization courses - tasting course for honey and other bee products

## BENEFITS:

- ✓ The beehives air is similar, but better than the air baths (saline, mountain, marine,....) due to its spontaneous efficacy because it represents naturally enriched aerosols with bee molecules and particles, obtained by moving the wings of bees.



## BENEFITS OF BEEHIVES HOUSE

BEEHIVES AIR - is obtained with the Api-air device, which makes it possible to conduct the hive air to the inhalation mask or by direct inhalation from a hive air in the room. It can be inhaled both by healthy people (athletes - increased lung capacity and endurance) and by peoples with respiratory problems.

Personal experience:

- ✓ For cold - inhalation time 20-30 minutes
- ✓ For asthma depends on the patient, if he is very allergic we start from 10 minutes a day, and in time it can reach on 30 minutes a day, but not more than 30 minutes on the hive (along with individualized bee mixture, with queen larvae and chewed at least 3 teaspoons / day of wax from queen caps)
- ✓ Fatigue, headache - inhalation time 30 minutes
- ✓ lung cancer - this is a very interesting issue, - lung cancer means fear of death, and bee therapy means defeat of fear of stinging (death). Here the therapy is more complex and individual and need to be followed by a medical doctor specialized in Apitherapy.



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# Our experience after 12 years of using Propolair

- ✓ Decreases contagiousness, duration and severity respiratory infectious diseases
- ✓ Reduces absenteeism in kindergartens due to respiratory diseases by at least 50%, and children have made light and short-lived forms
- ✓ In athletes - increases lung capacity and endurance
- ✓ The introduction of individualized bee mixtures in addition to the propolated air led to the protection of the respiratory system - by PREVENTION



# Hives used for beehive air

- ✓ Hives used in Api-therapy should be helped with soft treatments, such as **ZEOLITE-Clinoptilolite** or ESSENTIAL OILS or other soft treatments that positively influence the health of the bee and implicitly the products of the hive
- ✓ The combination of: zeolite, essential oils, probiotics and algae comes with huge benefits in maintaining bee health:
  - ❖ much smaller no of varroa inside of the beehive
  - ❖ Low humidity - microclimate unbeneficial to the development of pathogens - decreases the number of nosema spores
  - ❖ Captures pesticides, insecticides and other substances which affects immunity of bees
  - ❖ Increases the production of bee products, if harvested
  - ❖ Wax without impurities that will positively influence the health of the beehives



# CONCLUSIONS

- ✓ Build a beehives house – on functional principles
- ✓ Help the bees with gentle treatments
- ✓ Produce clean beehives products in a healthy apiary
- ✓ Enjoy your healthy life !



*Thank you for your Api-Attention!*



**Alina Varadi**

**[alina@casabio.ro](mailto:alina@casabio.ro)**

**[www.casabio.ro](http://www.casabio.ro)**

