



## *Zusammenfassung über die medizinische Imkerei*

# Importance of Medicinal Beekeeping for Beehive Air Therapy/

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**Beehive Air Therapy** is an **integrative/complementary** method that uses the volatiles from the BHA to *prevent, heal* or *recover* a **living being** (man or animal) from over **30 diseases/conditions**.

# National Workshop On **MEDICINAL BEEKEEPING**

*DATE: 1 – 4 August 2010*

**VENUE :**

Sri Malaysia Hotel, Johor Bahru & Koperasi SMA An-Nur Apiary Farm, Kota Tinggi, Johor Darul Takzim

**IN COLLABORATION WITH:**

Universiti Malaya  
Universiti Putra Malaysia  
Universitas Hasanuddin, Makassar, Indonesia  
Apitherapy Consulting & Trading International SRL Ltd, Romania  
Suruhanjaya Koperasi Malaysia Negeri Johor  
Lembaga Kemajuan Johor Tenggara (KEJORA)  
Jabatan Pertanian Negeri Johor  
Jabatan Kesihatan Negeri Johor  
Yayasan Pelajaran Johor  
Pejabat Daerah Kota Tinggi  
FAMA Negeri Johor  
SIRIM Negeri Johor  
Johor Corporation

**JOINTLY ORGANIZED BY:**

Universiti Sains Malaysia Agriculture Department of Malaysia Koperasi SMA An-Nur Bhd.



*DATE: 1 – 4 August 2010*

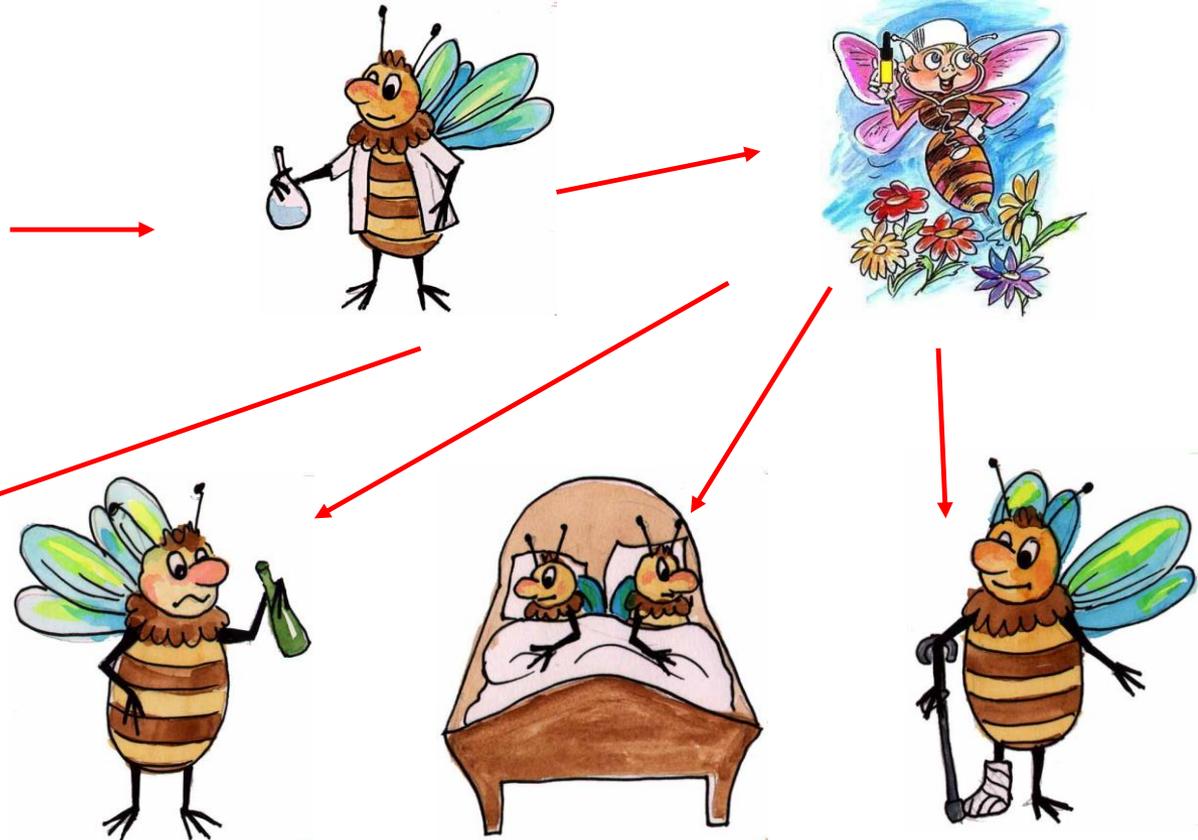
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# What is „Medicinal Beekeeping“?

Medicinal beekeeping is that form of practice that ensures not only very clean beehive products, like in organic/bio-beekeeping, but also medicinal beehive products that are very rich in specific healing substances

***Mono-floral*** based  
beehive products



What is new in “*Medicinal*”  
Beekeeping when compared with  
classical beekeeping?

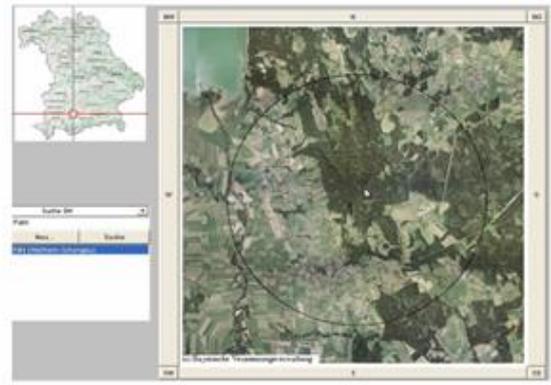
*1. Better quality*

*2. More bio-pharmacologically active  
compounds*

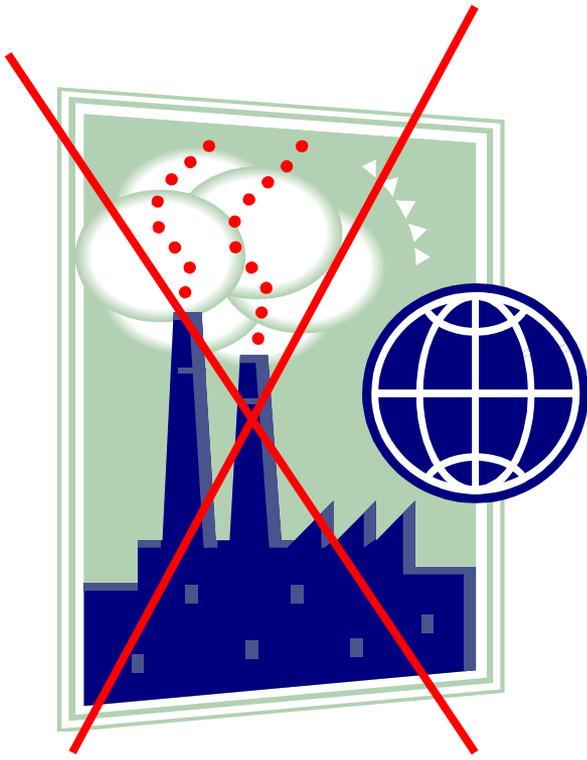
# How to achieve a **better quality** of bee products?

Locate your apiary in a clean, ecological area, at least 30 km. away from any polluting source.

### Flugkreis eines Bienenvolkes: mindestens 3km



Arno Bruder





All materials we are using (beehive, beehive tools, extractor devices, etc.) must be ***clean***, as ***sterile*** as possible, not contaminated with any un-wanted substance.





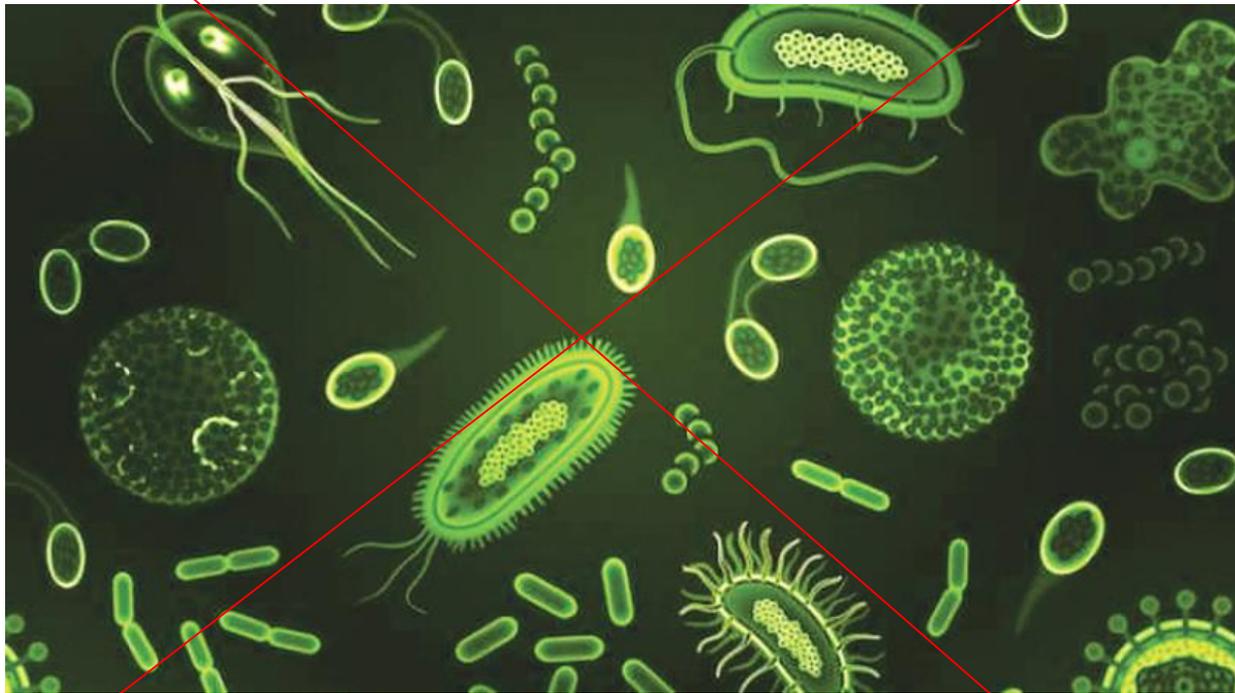


**better quality**

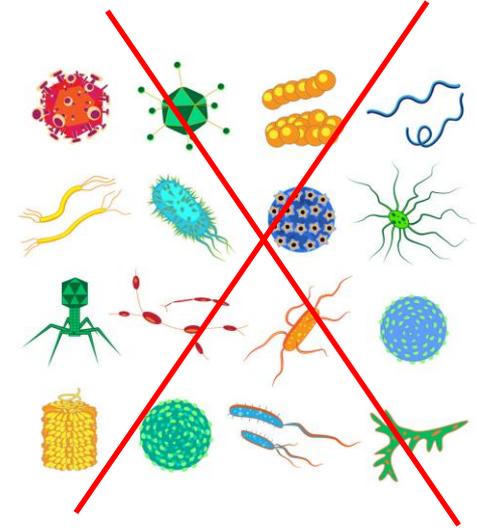
**3. No antibiotics or any un-wanted substance (varroacides, etc.) should be given/fed to the bees, unless allowed by the medical coordinator of the apiary**



4. Very low **biological** (viral, bacterial, mycotic or parasitic) **contamination** of the final preparations/products



# General conditions for Beehive Air Therapy



The beekeeper need to be in his apiary like a surgeon in an operation room...



How to achieve *more bio-pharmacologically active compounds* in the beehive air?

Find first *where* you can find the best bio-pharmacological compounds for your goals;

a) if they are present in the *bee plants*, find where these plants/herbs are present in a large, ideally natural (wild) place (forest, protected reservation)



# What are the best medicinal bee plants for Beehive Air Therapy?





The best medicinal bee plants for Beehive Air Therapy are the *aromatic* bee plants







Basil

Thyme

Sage

Lavender

Parsley

Mint

## Plants with a strong odor

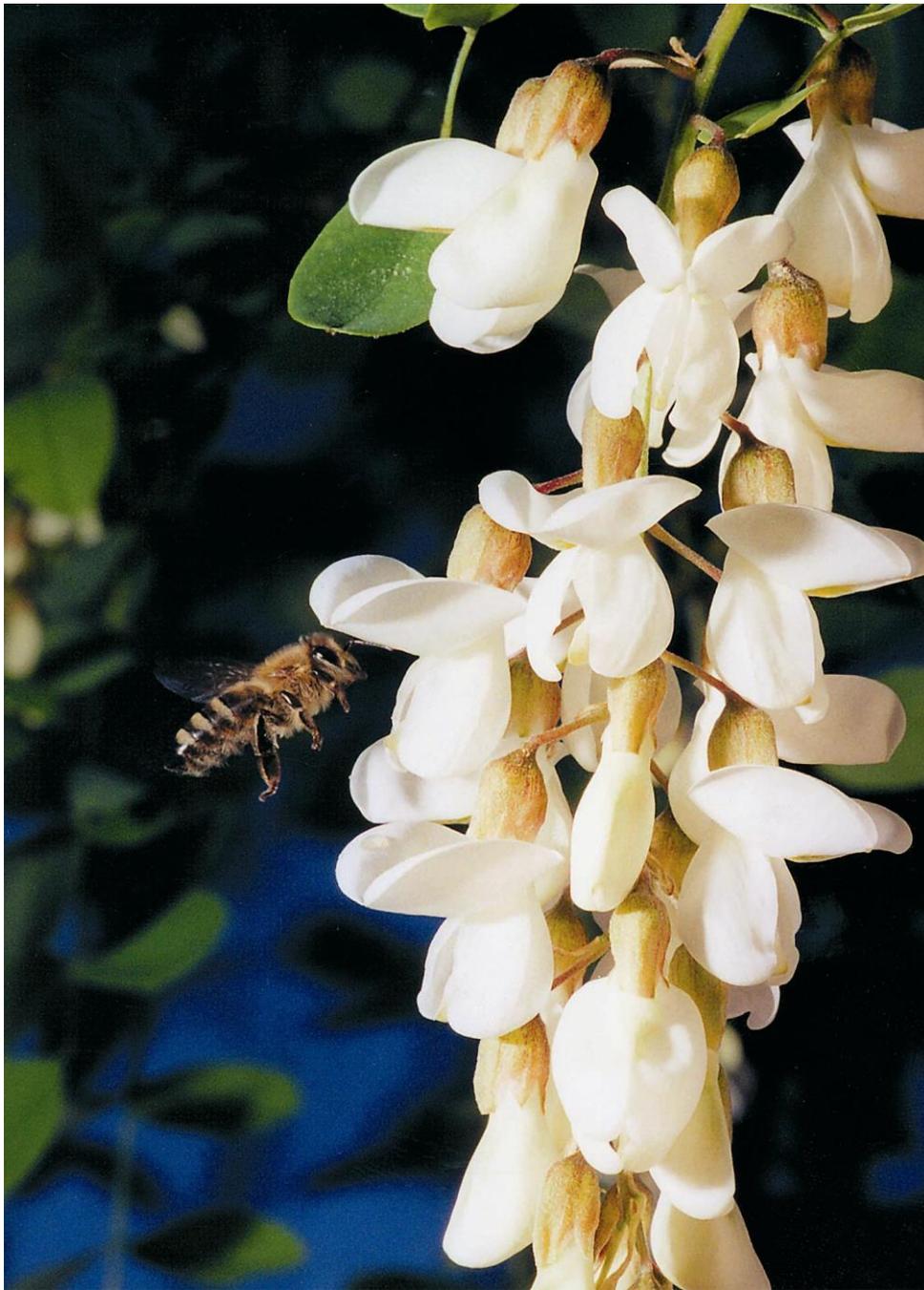


**Basil (*Ocimum basilicum*)**

# *Robinia pseudacacia*







***Robinia pseudacacia* sp.**



***Thymus* sp.**



***Lavender* sp.**



# Linden *Tilia* sp.



# Medicinal and Aromatic Plants

## Growth Strategies for India

Dr. (Prof.) Krishnagopal Karmakar  
Dr. Gangadhar Banerjee





Andrew Chevallier



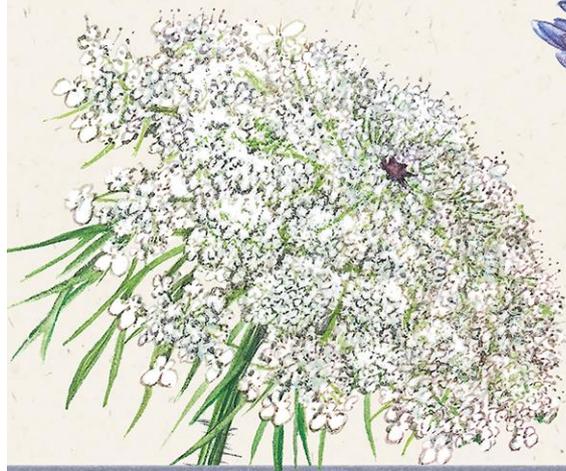
# DAS GROSSE LEXIKON DER HEILPFLANZEN



550 PFLANZEN und ihre ANWENDUNGEN

# Heil — pflanzen

KOSMOS



MIT KOSMOS MEHR ENTDECKEN  
Über  
**400**  
Farb—  
zeichnungen  
SEIT 1822

KOSMOS—NATURFÜHRER

Homöopathie, Bach-Blütentherapie  
und anthroposophische Medizin

EXTRA: AUSFÜHRLICHER  
ANWENDUNGSTEIL



WOLFGANG K. FISCHER





J. VOLÁK – J. STODOLA – F. SEVERA

# Das große Buch der Heilpflanzen

ARTIA



Dr JEAN VALNET

# L'AROMA- THÉRAPIE

SE SOIGNER  
PAR LES  
HUILES ESSENTIELLES





Dietrich Wabner · Christiane Beier (Hrsg.)

# Aromatherapie

Grundlagen · Wirkprinzipien · Praxis

2. Auflage

URBAN & FISCHER



LERNEN EINFACH GEMACHT



# Aromatherapie <sup>for</sup>**dummies**



Die Grundlagen  
der Aromatherapie  
kennenlernen

Ätherische Öle richtig und  
sicher anwenden

Die 25 wichtigsten  
ätherischen Öle  
im Portrait

Elske Miles

What are the best medicinal bee products for  
Beehive Air Therapy?

The clean, fresh, rich in volatile/aromatic  
substances products

# Fresh pollen, not dried pollen



Fresh propolis = OK!



**RESIN PROTECTING**

**DORMANT BUDS**



**Protection of growing buds during  
the spring**



Dried, old or powdered propolis = not OK





**With a flexible net a hive can produce from 100 to 200 grams of propolis per year. Harvesting is a simple procedure.**







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arg  
picole

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# more active compounds

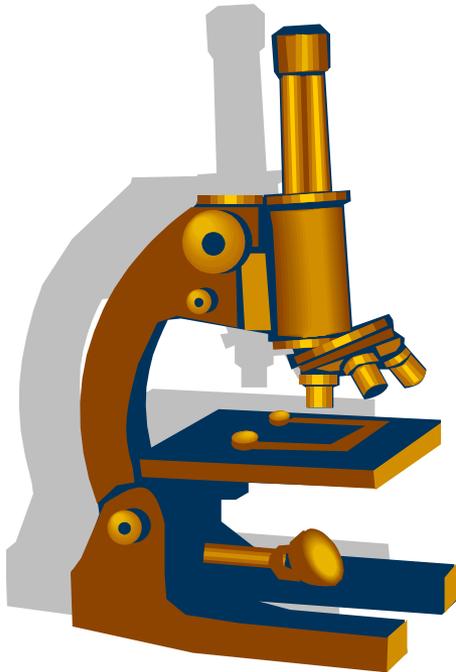
Stimulate the collection of more **fresh** pollen





## more active compounds

- get **microscopes/laboratory equipment** useful to confirm that the pollen (nectar or resin) comes indeed from the wanted bee plant species that is rich in the wanted bio-pharmacological compounds;



## best beehives houses

- The bee houses that are **easy to transport**, in case of **migratory medicinal beekeeping** (the same medicinal bee plants are flowering at different times, at different altitudes)



# Conclusions

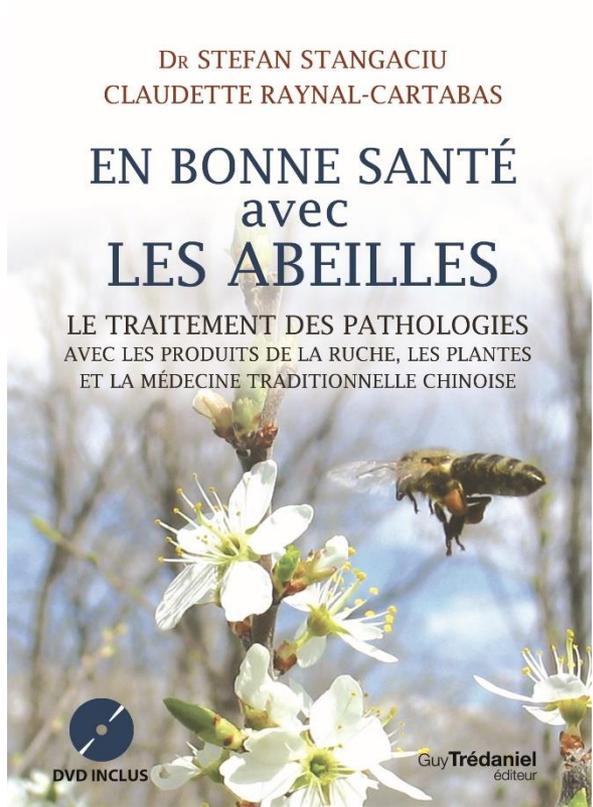
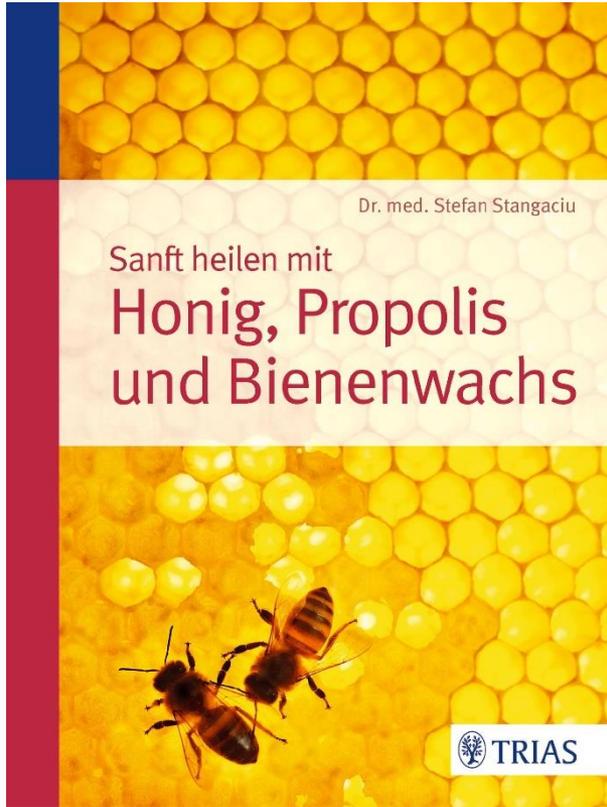
- Best Beehive Air is the one that is very *clean* and *rich* in *useful compounds*



# Conclusions

- Best **beekeepers** for *medicinal beekeeping* are the *health-oriented* beekeepers





# Thank you!

