2014

Propolis group
Where should we start?

Activate the group!
Clean old members and find new ones!

Standards definition?

Standardize methodologies?
QUESTION 1: Define common methods for analysis...

**Physical parameters**

- Color?
- Wax content?
- Water content?

**GUIDE!**
What buyers relay on?
QUESTION 1: Define common methods for analysis...

Phenolic composition

Extraction procedure!
Temp; time; solvent

Spectroscopy
Total phenolics? Standards?
Flavonoids? Standards?

Chromatography
Markers?
Quantification of?
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QUESTION 2: Propose European standards for Poplar propolis..

Standards

- Physical parameters
- Phenolics
- Bioactivity ??

- DPPH
- Reducing Power
- ABTS
- Other?
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How to proceed?

Proposal

- One method?
- Several methods?
- Collect a set of samples from different countries
- Compare methods with different participants?
- Round trials
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Current Members...not listed...come and give your details!

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Propolis group

2014
This is our next step... for one year...

Define methodologies

Collection of propolis samples
- 1 kg (1 or 2 samples per participant)
- Samples will be homogenised divided and sent back to participants

Compilation of analytical methods used by participants
- Selection of methods (1-2)

Wax content
Ash
Total Phenolics
Total Flavonoids

Ring trial