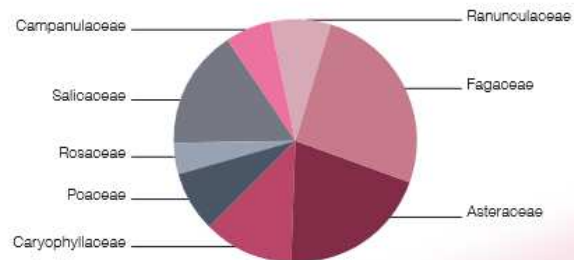


PLANT SPECIES CONTENT ANALYSIS

DNA analysis of a mixture of plants or powder, honey, complex products (ingredients or cosmetics)...



...Identification of plant families, botanical genera, or plant species that are present:



For example : honey analysis results.

TECHNOLOGY BEING USED: PCR/SEQUENCING APPROACH

- ▲ DNA extraction and PCR amplification with patented molecular tools*:
 - ▲ **Discriminant molecular marker**, to distinguish one plant specie to another;
 - ▲ **Universal primers** useful for blind analysis (plants are not known a priori).
- *Patent licence from Joseph Fourier University
- ▲ PCR products analysis.
- ▲ High performance sequencing.
- ▲ Bio-informatical analysis of the genetic sequences obtained. The molecular marker's polymorphism allows identification of plant families, botanical genera, or plant species that are present.

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HWI-HK248:834 ; sample  TTTTCGAAAAACAAACAAAGGTTTCATAAAGACAGAATAAGAATACAAAAG
    
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