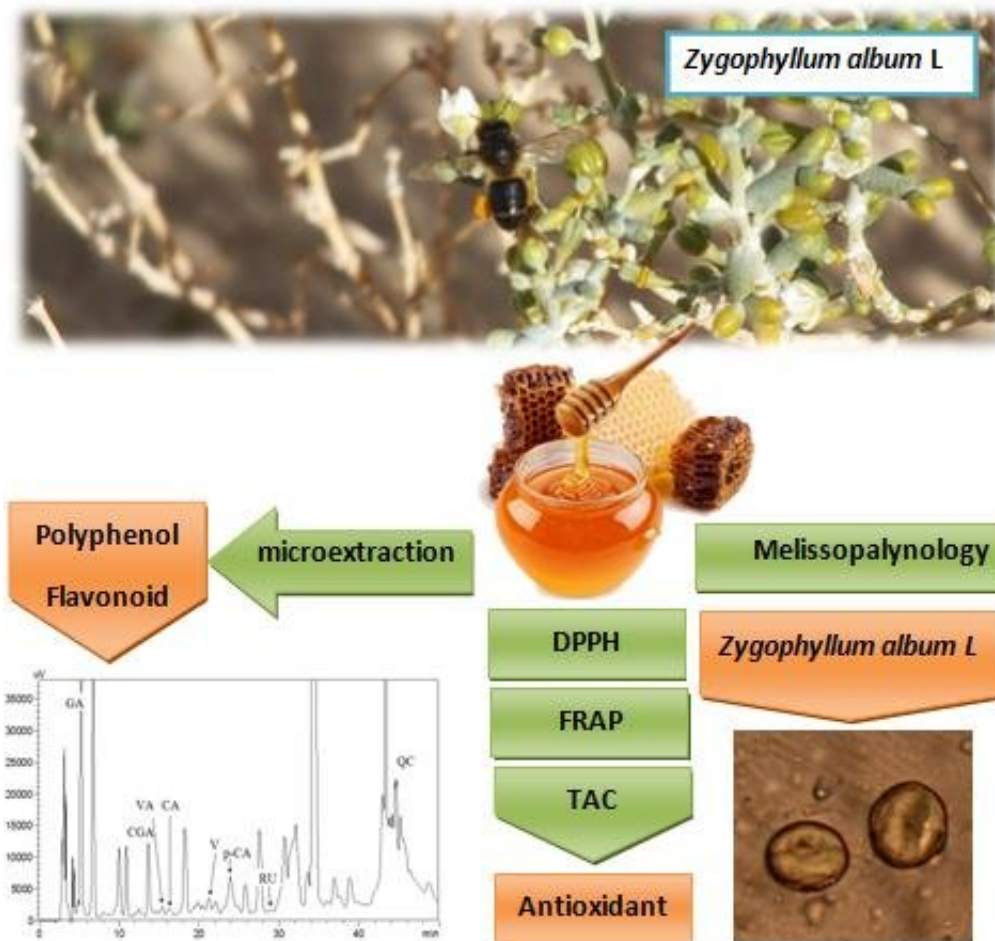


Characterization of *Zygophyllum album* L monofloral honey from El-Oued, Algeria

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The characterization of *Zygophyllum album* L monofloral honey from El-Oued, Algeria Credit: Dr. Abdelkrim REBIAI, Bentham Science Publishers

This study is about a new type of honey bee product collected from one of the desert plants - *Zygophyllum album* L - in Algeria. *Zygophyllum album* L honey is not a common product; it is very rare and contains elements of nutritional and biological importance according to this study.

Zygophyllum [album](#) L, is a shrubby plant belonging to the *Zygophyllaceae* family. *Zygophyllum album* L is widespread in the deserts and salt marshes of southern Algeria. The leaves, stems, and fruits of this plant are used in Algerian traditional medicine as a drug active against rheumatism, gout, and asthma. *Zygophyllum* extract is also utilized as a diuretic, local anaesthetic, antihistaminic, and antidiabetic agent.

Only one prior study has analyzed the metabolites of *Zygophyllum album* L honey; it investigated sample from El-Oued. Thus, more studies are required to characterize *Zygophyllum album* L honey.

This work is the first screening of melissopalynological and physicochemical characterization, at same time to determine in polyphenol and flavonoid contents of five samples of an Algerian honey with *Zygophyllum album* L as the main pollen source. In Algeria, this honey is called Bougriba honey.

The results show that *Zygophyllum album* L honey possesses interesting physicochemical properties. It is a dark honey, has high acidity, high conductivity, high phenolic compound content and high antioxidant activity. These physicochemical properties differentiate this particular, dark variety of *Zygophyllum album* L from other Algerian honeys. An extensive investigation is needed to establish therapeutic characteristics of *Zygophyllum album* L [honey](#).

More information: Mouhamed Adel Mesbahi et al, Characterization of *Zygophyllum album* L monofloral honey from El-Oued, Algeria,

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