

## **PHYSICOCHEMICAL AND PHYTOCHEMICAL CHARACTERIZATION OF SOME ALGERIAN HONEYS TYPES**

**DOUKANI KOULA , GACEM NACERA , BENLARBI HAYAT**

Laboratory of Agro-Biotechnology and Nutrition in Semi Arid Zones, Faculty of Nature and Life Sciences,  
University of Ibn Khaldoun, Tiaret, Algeria

### **ABSTRACT**

This research aims to characterize the physicochemical and phytochemical properties of various honey samples collected from different areas of Algeria. Physico-chemical analyzes were performed on five samples of honey (four from the area of Tiaret and one from the area of Relizane). The results have proven that there were differences between a honey sample to another and they meet national and international key specifications of honey.

Phenolic compounds levels were in the standards. Antioxidant activities were also evaluated by determining the reducing power and were considered significant. This difference depends on the botanical and geographical origin where the honey sample is harvested.

**KEYWORDS:** Honey, Physico-Chemical Analyzes, Antioxidant Activity, Phenolic Compounds, Reducing Power