



DETERMINATION OF ACTIVE COMPOUNDS OF BEE POLLEN IN EL-OUED REGION

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Abstract

Bee pollen (BP) has been increasingly studied because it contains a wide variety of bioactive compounds, including vitamins. for El-Oued region .The objective of this study was to screen and evaluate the chemical composition, including antioxidant, of BP samples in El-Oued region. The most quality of the pollen was determined using optical microscopy . The total phenols and flavonoids content were estimated by the UV-Vis spectroscopy method. For total phenolic content ranged between [25,84 – 33,54(mgGAE/g)]. As for the amount of flavonoids in the pollen ranged between [16.55-22,55(mgRE/g)] and are significant amounts compared to some previous studies.

Key words: bee pollen, region El-Oued, phenolic compounds.