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ASSESSMENT OF MICRONUTRIENTS IN *APIS* HONEY FROM KARNATAKA

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ABSTRACT

Honey is an easily digestible food stuff that contains a range of nutritionally important compounds. It is a rich source of minerals that includes both micro and macronutrients. The mineral content is highly variable with the species of honeybee, the geographical area and botanical origin. The majority of medicinal properties of honey along with its flavour depend on its mineral content. The major components of honey include various saccharides, water, amino acids, minerals, proteins, vitamins and unstable compounds such as enzymes. In the present study, honey samples of Apis florea, Apis mellifera, Apis dorsata and Apis cerana were collected from Bengaluru and Coorg districts of Karnataka. The total ash content ranged between 0.11 to 0.35 percent. The F-test and analysis of variance values of total ash content parameter of honey samples were significant at 5% levels. The micronutrients with high frequency were; Copper 0.05±0.004, Iron 0.09 ±0.03, Manganese 0.16±0.03, Sodium 4.3±0.01 and Zinc 0.09±0.001 ppm. All the micronutrient contents were within range and varied significantly at p< 0.05 levels. The investigations confirmed the good quality of Indian honey.

***KEYWORDS**: Honey Quality, Apis Honey, Total Ash Content, Micronutrients*

Article History

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