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## Apitherapy and antiaging applications

**Zeliha Selamoglu**

Ngide Omer Halisdemir University, Turkey

**T**he last researches have shown that natural compounds have obtained popularity day by day as some of the widely used synthetic therapeutics might have some undesirable effects. Honeybee products are one of these natural matters. In recent years, there has been a great deal of studies carried out on beneficial of the honeybees products in the field of apitherapy. Apitherapy is a type of alternative therapy that uses products that come directly from honeybees. It's used to treat illnesses and their symptoms as well as pain from acute and chronic injuries. Honeybee products and its derivatives are well known to be free radical scavengers and antioxidants. Natural antioxidants have powerful actions against aging, inflammation, cancer, coronary diseases, gastrointestinal and heart diseases. Honeybee products have attracted clinical interest due to their favourable pharmacological and biological properties. The presence of several important phytochemical classes, such as flavonoids and phenolic components have been attributed to

the beneficial effects of these products. Bioflavonoids have potent function in the scavenging of free radicals generated by aging, diseases and actions of toxic molecules. Flavonoids, phenolics and some aromatic compounds are the essential chemical components appeared in honeybee products. However its bioflavanoid content is recently taking attention. Bioflavonoids are antioxidant compounds which conducts vital functions in scavenging of free radicals, which are formed in aging. The supported property of honeybee products is the assumed ability to delay aging and to rehabilitate various biological functions in the elderly. In spite, of aging is a multifactorial process, a lowered cell growth and tissue rennovation are fantastical features during aging. Apitherapy has been described to lead important impacts in the protection of arteriosclerosis, hypertension, respiratory diseases, developing the cardiovascular and digestive systems and delaying aging.

zselamoglu@ohu.edu.tr