Special Issue

Extraction and Antioxidant Activity of Bee Products

Message from the Guest Editor

Bee products, including honey, propolis, royal jelly, bee pollen, and bee venom, are valued for their rich nutritional content and medicinal properties. Extracting bioactive compounds from these products typically involves methods like maceration and microwave- and ultrasonic-assisted extraction with different solvents to isolate beneficial components, such as phenolics, flavonoids, and others. Most of these compounds are known for their strong antioxidant activity, which helps in neutralizing free radicals in the body, thereby reducing oxidative stress and preventing chronic diseases. Studying these properties supports bee products' use in food, cosmetics, and pharmaceuticals to promote health and longevity. This Special Issue highlights the most recent discoveries, developments, and emerging trends in the field of bee products including, but not limited to, extraction, analysis, chemometrics, and the purification of antioxidant constituents and their biological activities. Submissions related to in vitro and in vivo studies of the pharmacological activities of chemically well characterized bee product extracts are also welcome.

Guest Editor

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Deadline for manuscript submissions

30 November 2025

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/215197

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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