

Special Issue

Unveiling the Applications of Bioactive Compounds in Functional Foods for Optimal Human Health

Message from the Guest Editors

Functional foods contain bioactive ingredients, including polyphenols, fatty acids, carotenoids, steroids, and polysaccharides, that provide health benefits beyond basic nutrition. These biochemical compounds possess antioxidant, anti-inflammatory, and other beneficial properties. In this way they contribute to various aspects of human health, including cardiovascular health, immune function, gut health, and disease prevention. Furthermore, incorporating functional foods into the diet could promote overall wellbeing and reduce the risk of chronic disease.

- Profiling of biochemical compounds in various functional food.
- Pharmacological properties of bioactive compounds.
- Application of bioactive ingredients in models.
- Clinical and epidemiological studies of biochemical compounds.

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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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