

Special Issue

Bioactive Compounds: Applications and Benefits for Human Health

Message from the Guest Editors

Bioactive compounds are natural constituents in many foods such as vegetables, fruits, olive oil, wine, tea, spices, cereals, beer, and chocolate. Still, they can also be derived from animals and microbial sources, or be chemically synthesized. Among the most commonly analyzed bioactive compounds are polyphenols, terpenoids, alkaloids, and glucosinolates, which, having antioxidant and anti-inflammatory properties, can modulate some important physiological functions, molecular pathways, and biological activities. Thus, bioactive compounds can exert beneficial effects on human health. This Special Issue focuses on analyzing the molecular effects of bioactive compounds in different physiological or pathological conditions (cardiovascular diseases, bacterial and viral infections, neurodegenerative diseases, cancer, and sarcopenia). Furthermore, it will include studies regarding the identification, purification, and extraction of bioactive compounds and their use in pre-clinical and clinical research. Website:

https://www.mdpi.com/journal/molecules/special_issue/s/8D70K2XF00

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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