Special Issue

Extraction, Purification, Structural Analysis, Biological Evaluation, and Molecular Mechanisms of Dietary Bioactive Compounds from Natural Resources

Message from the Guest Editor

Natural resources are rich sources of bioactive compounds that possess various health benefits. This Special Issue seeks to explore the methods used to extract and purify bioactive compounds from different natural sources such as fruits, vegetables, algae, and medicinal plants. Additionally, we encourage submissions that investigate the composition and structural analysis of active components. Studies delving into the biological evaluation and molecular mechanisms underlying the health benefits associated with these bioactive compounds are highly encouraged. Potential topics of interest include, but are not limited to, the following:

- Extraction and purification techniques for bioactive compounds from natural resources.
- Identification and characterization of bioactive compounds from natural resources.
- Structural analysis of active components from natural resources.
- Bioavailability and bioaccessibility studies of bioactive compounds from natural resources.
- Biological evaluation and molecular mechanisms underlying the health benefits of bioactive compounds.
- Applications of bioactive compounds in functional foods and nutraceuticals.

Guest Editor

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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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