

Special Issue

Phytochemical Insights and Green Extraction Strategies for Bioactive Natural Compounds

Message from the Guest Editors

The increasing demand for sustainable and targeted bioactive compounds has sparked renewed interest in phytochemicals and sustainable extraction techniques. This Special Issue explores the latest molecular-level research into phytochemicals and green extraction methods for bioactive compounds derived from plant and algal sources. We aim to showcase innovative approaches in the isolation, structural elucidation, and characterization of specific bioactive molecules, with a strong emphasis on sustainable extraction technologies. Given the scope of the IJMS, this Special Issue will only consider manuscripts reporting the identification and characterization of exact active ingredients.

Topics of interest include, but are not limited to, the following:

Molecular composition and bioactivity of plant or algal metabolites;

Isolation and structural elucidation of pure bioactive natural compounds;

Innovations in green extraction methods to obtain bioactive pure compounds;

Applications of well-characterized phytochemicals in nutrition, pharmaceuticals, agriculture, and cosmetics.

We invite both original research articles and reviews that align with these molecular-focused criteria.

Guest Editors

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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