

Special Issue

Phytochemicals and Bioactivity: Advances in Natural Product Chemistry and Applications

Message from the Guest Editors

Phytochemicals, derived from natural products, exhibit a wide structural diversity and a range of bioactive properties, making them invaluable resources for the discovery of novel therapeutic agents and for applications in health, pharmacology, and biotechnology. These natural compounds offer unique chemical and biological characteristics that can provide therapeutic benefits, contribute to disease prevention, and promote general well-being. The study of natural products encompasses diverse approaches, from chemical isolation and structural characterization to the evaluation of biological activities and mechanisms of action.

Covering a broad scope, this Special Issue welcomes full papers, short communications, and review articles on phytochemical analysis, natural product isolation, bioassay-guided fractionation, and the study of bioactive compounds. Research on the therapeutic potential, mode of action, and biological applications of phytochemicals, as well as interdisciplinary approaches integrating analytical chemistry, molecular biology, and bioinformatics, is also encouraged.

Guest Editors

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Prof. Dr. Claudio Olea-Azar
Dr. Ady Giordano

Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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