

an Open Access Journal by MDPI

Development of Analytical Methodologies for Selective Extraction, Separation, Identification, and Purification of Valuable Compounds

Guest Editors:

Dr. João Miguel F. Rocha

Dr. Kristian Pastor

Dr. Nataša Nastić

Prof. Dr. Fatih Ozogul

Deadline for manuscript submissions:

closed (31 October 2023)

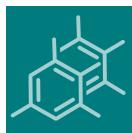
Message from the Guest Editors

The main focus of this Special Issue is to describe the development and optimization of novel analytical methodologies for the selective extraction, separation, identification, and purification of high-added value compounds or fractions from virtually any matrix, such as from chemicals, agriculture, and industrial by-products and wastes; microbial metabolites from fermentation processes by yeasts, molds and bacteria; or compounds from algae and microalgae. Any type of high-added value compound, such as chemicals, food, cosmetics, pharmaceuticals, nutraceuticals, bioenergy (e.g., biofuel, bioethanol, biobutanol, biohydrogen), and biofertilizers will be considered. Likewise, the application of any type of analytical methodology, such as separation techniques (TLC, HPLC, GLC), mass spectrometry (GC-MSn, LC-MSn, HRMS, etc.), and spectroscopy (NMR, NIR, FT-IR, FTIR-PAS) as well as genomics, proteomics, transcriptomics, metabolomics, and lipidomics approaches are also welcome.



mdpi.com/si/121047

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: [JCR - Q2 \(Biochemistry and Molecular Biology\)](#) / [CiteScore - Q1 \(Organic Chemistry\)](#)

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[@Molecules_MDPI](https://twitter.com/Molecules_MDPI)