

Special Issue

Plant Natural Product: Extraction, Separation, Purification, Essential Oils and Functional Product Development

Message from the Guest Editors

The importance of natural products is increasing day by day due to its prominent contribution to pharmacotherapy, in particular for cancer, diabetic, and other infectious diseases. However, the extraction methods and methods of application might affect the efficacy of natural-based extracts and essential oils.

This Special Issue covers multidisciplinary topics, including the characterization of bioactive compounds, their synthetic modification, and extraction of essential oils from aromatic and medicinal plants. Moreover, this Special Issue is intended to present and discuss high quality original research articles, or review articles focused on new, novel and known active secondary metabolites. Potential topics include, but are not limited to:

- Isolation, purification, and characterization of secondary metabolites;
- Synthetic modification of natural products with potential pharmaceutical activities;
- Essential oils with different bioassays;
- In vitro and in vivo analysis;
- Medicinal plants and their extracts with pharmacological activities;
- Molecular docking and in silico studies.

Guest Editors

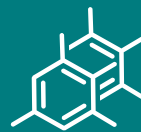
Dr. Najeeb Ur Rehman

Dr. Riaz Ullah

Dr. Ajmal Khan

Deadline for manuscript submissions

closed (30 September 2023)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/127734

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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





Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).