

Special Issue

Essential Oils: Biological Activities and New Possible Applications

Message from the Guest Editors

This Special Issue addresses the growing interest in developing novel alternatives to antibiotics for fighting antimicrobial resistance, new antiviral therapies for both the prevention and control of infections, and novel treatments for various inflammatory processes and depressive states associated with persistent and hard-to-treat infections. Our aim is to gather cutting-edge contributions regarding the biological activities and/or the synergistic effects of various components of volatile oils. Clinical and experimental studies focused on essential oils and pharmaceutical products based on essential oils, strategies to improve their activity, including nano-formulations, as well as new pharmacologic targets for their biological activity are greatly encouraged.

Guest Editors

Dr. Eliza Oprea

Department of Botany and Microbiology, Faculty of Biology, University of Bucharest, 1-3 Portocalelor Street, 060101 Bucharest, Romania

Prof. Dr. Carmen Chifiriuc

Faculty of Biology, University of Bucharest, 90-92 Panduri, 050663 Bucharest, Romania

Deadline for manuscript submissions

closed (30 April 2022)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/68089

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 molecular chemistry, now in its 29th 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

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).