Special Issue

Plant Extracts and Natural Compounds with Antiviral and Anti-inflammatory Activities

Message from the Guest Editors

The ability to modulate the innate immunity pathways is common feature among viruses that cause severe human diseases. The pathophysiology of SARS-CoV-2 infection has focused attention on the necessity of identify novel drugs that target the virus and control the inflammatory response. Natural products or components are widely studied for their immunomodulatory potential and in particular, polyphenols are well-known pharmacologically active compounds exhibiting both immunomodulatory and antiviral activity.
We discourage the submission of manuscripts reporting the antiviral activity of unpurified natural products for which a mechanism of action has not been determined. We also discourage submission of in silico docking studies or other computer-based predictions of antiviral activity that are not supported by data from biological assays. Unlike, we strongly encourage articles describing the signaling pathways and therapeutic targets of natural antivirals as well as the identification of the biological ingredients or molecules with antiviral and immunomodulatory activity are welcome.

Guest Editors

Dr. Rosamaria Pennisi

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, 98166 Messina, Italy

Prof. Dr. Maria Teresa Sciortino

Department of Chemical Biological Pharmaceutical and Environmental Sciences, University of Messina, Viale F. Stagno d'Alcontres, 31, 98166 Messina, Italy

Deadline for manuscript submissions

closed (31 March 2024)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/128431

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

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

MDPI

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).