Special Issue

Natural Products in Counteracting Oxidative Stress and Inflammation

Message from the Guest Editors

Oxidative stress and inflammation, induced by oxidative imbalance, are widely recognized as key components of the pathogenesis of various chronic diseases. However, the drug discovery campaign could be complicated. The redox-rebalancing agent may induce imbalance. For example, an antioxidant overdose could cause reductive stress. Moreover, some antioxidants also show oncogenic effects. Understanding how to identify a validated lead compound would be the main hurdle in this field. Natural products could be the answer. Natural products are a major source for drug discovery. In counteracting oxidative stress and inflammation, the multiple targets and biosynthesis characterstics of natural products could be beneficial. This Special Issue aims to collect research articles and review papers dealing with all aspects of natural products in counteracting oxidative stress and inflammation. Papers describing the identification of new compounds and the discovery of new applications of well-known natural products will be especially welcome. Review papers about the relevant fields will also be favored.

Guest Editors

Prof. Dr. Qi-Dong You

State Key Laboratory of Natural Medicines and Jiangsu Key Laboratory of Drug Design and Optimization, China Pharmaceutical University, Nanjing 210009, China

Dr. Zhengyu Jiang

Department of Pharmacy, China Pharmaceutical University, Nanjing 211198, China

Deadline for manuscript submissions

closed (30 November 2024)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/165190

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



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).

