

Special Issue

Mechanistic Insights, Therapeutic Potential, and Applications of Natural Bioactive Compounds

Message from the Guest Editors

This Special Issue aims to explore the mechanistic insights, therapeutic potential, and applications of natural bioactive compounds in modulating inflammation and oxidative stress. We welcome original research and review articles focusing on the discovery of novel compounds, elucidation of their mechanisms of action, and their roles in disease management, including applications in chemotherapy, immunotherapy, and cell fate regulation. Studies integrating natural compounds into combination therapies and addressing synergistic effects are particularly encouraged.

Guest Editors

Dr. Jianqiang Xu

School of Chemical Engineering, Ocean Technology and Life Science (CEOTLS), Dalian University of Technology, Panjin 124221, China

Dr. Yanshuo Han

School of Chemical Engineering, Ocean Technology and Life Science, Dalian University of Technology, Panjin 124221, China

Deadline for manuscript submissions

28 June 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/225814

*International Journal of
Molecular Sciences*
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/

[ijms](https://doi.org/10.3390/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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

ijms



About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Inorganic Chemistry)