

Special Issue

Therapeutic Potential of Natural Compounds: Insights into Mechanisms, Molecular Docking, and Biological Activities

Message from the Guest Editor

For centuries, folk medicine has been used to treat various ailments afflicting people and animals stemming from plants, lichens, mushrooms, etc. The accurate determination of the biological properties of chemical compounds have progressed in tandem with the development of science. Naturally occurring compounds have become the basis for modern synthetic modifications, leading to the creation of active substances with more effective mechanisms of action, improved pharmacological parameters, and low side effects. Unfortunately, new or known diseases that are resistant to current preparations have been detected. Therefore, there is a constant need to identify new compounds/mixtures of compounds that can combat new diseases, or allow us to control diseases that are immune to current treatments.

Led by and assisted by the Topical Advisory Panel Member Dr. Katarzyna Turecka (Medical University of Gdańsk), this Special Issue is devoted to natural compounds and their derivatives, including their biological activity and mechanisms of action that may have therapeutic uses in the fight against diseases.

Guest Editor

Dr. Rafał Hałasa
Department of Pharmaceutical Microbiology, Medical University of Gdańsk, 80-416 Gdańsk, Poland

Deadline for manuscript submissions

closed (20 December 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/183543

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

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

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