

Special Issue

Beyond Antioxidants and Analgesics: From Natural Compounds to Synthetic Derivatives

Message from the Guest Editors

We are pleased to announce the new Special Issue entitled "Beyond Antioxidants and Analgesics: From Natural Compounds to Synthetic Derivatives". The topics covered are of high research interest. In fact, oxidative and inflammatory processes are the basis of serious and disabling pathologies, such as headache, cardiovascular disease, arthritis, and neurodegenerative disorders. Thus, the development of new molecules and the identification of natural compounds, endowed with antioxidant/anti-inflammatory activity and capable of blocking their harmful effects and/or the painful state often generated, are required. This Special Issue aims to cover aspects on either isolated natural or synthetic compounds, as well as semi-synthetic derivatives, with applications in cellular functions in physiology and disease, which could potentially be exploited for the development of antioxidant, anti-inflammatory, and analgesic agents. Contributions to this Special Issue may be original research or review articles or short communications on any type of health topic and diseases related to biological targets.

Guest Editors

Prof. Dr. Antonella Brizzi

Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Via Aldo Moro 2, 53100 Siena, Italy

Prof. Dr. Federica Pessina

Department of Molecular and Developmental Medicine, University of Siena, Via Aldo Moro 2, 53100 Siena, Italy

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/164187

*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)