

Special Issue

Advanced Research in Antioxidant Activity

Message from the Guest Editors

Oxidative stress plays a crucial role in the pathogenesis of various diseases, including neurodegenerative disorders, cardiovascular diseases, and cancer.

Antioxidants, whether derived from natural sources or synthetically developed, are essential for counteracting oxidative damage and maintaining cellular homeostasis. In this Special Issue, we aim to explore cutting-edge research on the mechanisms of antioxidant activity, novel antioxidant compounds, and their applications in human health. We welcome original research and review articles which address molecular pathways, bioavailability, therapeutic potential, and advancements in the analytical techniques used to assess antioxidant efficacy.

Guest Editors

Prof. Dr. Demetrios Kouretas

Department of Biochemistry and Biotechnology, University of Thessaly,
41500 Larissa, Greece

Dr. Fotios Tekos

Department of Biochemistry and Biotechnology, University of Thessaly,
41500 Larissa, Greece

Deadline for manuscript submissions

closed (30 August 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/236646

*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*, 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 (Organic Chemistry)