

## Special Issue

# Natural Products: New Insights into Overcoming Oxidative Stress in Pathological Diseases

### Message from the Guest Editor

The concept of oxidative stress as “a disturbance in the pro-oxidant–antioxidant balance in favor of the former” was introduced about 40 years ago, and, in the last ten years alone, about 200,000 articles studying the link between oxidative stress and the acute/chronic phase of several diseases (from metabolic and chronic disorders to cancers) have been published at PubMed.

This Special Issue of International Journal of Molecular Sciences on “Natural Products: New Insights into Overcoming Oxidative Stress in Pathological Diseases”, supervised by Dr. Maria Grazia Bottone (University of Pavia, Italy) and supported by Dr. Fabrizio De Luca (University of Pavia, Italy). In this Special Issue, we invite you to contribute original research articles reporting data from both experimental and clinical studies, as well as review articles, that allow a better understanding of the effects of nutraceuticals, dietary supplements, and functional foods on different diseases showing the direct involvement of the oxidative stress pathway.

### Guest Editor

Dr. Maria G. Bottone

Laboratory of Cellular Biology and Neurobiology, Department of Biology and Biotechnology, University of Pavia, 9-27100 Pavia, Italy

### Deadline for manuscript submissions

20 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/197646](https://mdpi.com/si/197646)

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