

Special Issue

Therapeutic Potential of Antioxidants in the Prevention of Human Diseases

Message from the Guest Editor

Oxidative stress has been associated with a number of complications. Natural plant-derived products have been used to treat these complications for thousands of years, without much understanding of the molecular mechanism(s) through which these compounds prevent or cure these human diseases. Furthermore, several antioxidants derived from various natural resources have been tested in the past, and it has been found that their effective antioxidative and anti-inflammatory properties could benefit human health. Indeed, some currently available pharmaceutical drugs have been developed from compounds isolated from various plant species. Furthermore, multiple analogs of antioxidants are more potent than parent antioxidants. Although several preclinical studies indicate the beneficial effects of various antioxidants, some have never been tested in a clinical setting. This Special Issue is dedicated to studies on various natural antioxidants and their possible analogs in preventing and treating various human diseases.

Guest Editor

Dr. Kota V. Ramana

Department of Biomedical Sciences, Noorda College of Osteopathic Medicine, Provo, UT 84606, USA

Deadline for manuscript submissions

closed (20 December 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/191639

*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://ijms.mdpi.com)





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)