

Special Issue

Antioxidant Systems in Fruits and Vegetables Related to Quality and Health Beneficial Effects

Message from the Guest Editor

Fruits and vegetables are known to contain large amounts of bioactive compounds (polyphenols, anthocyanins, carotenoids and vitamins) which have antioxidant activity and are related to health-benefits. This special issue will be focused to highlight the molecular mechanism involved in the occurrence of these phytochemicals and their changes during ripening on-tree and during postharvest storage. In addition, recent research focused on the use of non-toxic natural compounds, considered as environmentally friendly, to develop new postharvest treatments and preservation systems that will maintain the quality and extend the shelf-life of fruits and vegetables without compromising their safety, appearance or sensory properties, and preserving the bioactive compounds and antioxidant activity will be also included. Cohort and epidemiological studies reporting the fruit and vegetable consumption effects against degenerative and chronic diseases would be also welcomed.

Guest Editor

Prof. Dr. María Serrano

Department of Applied Biology, CIAGRO, University Miguel Hernández, 03312 Orihuela, Spain

Deadline for manuscript submissions

closed (30 April 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/14837

*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 10.0
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 (Inorganic Chemistry)