

## Special Issue

# Flavonoids and Their Impact on Human Health

### Message from the Guest Editor

Flavonoids are the most studied class of nutraceutical compounds for their impact on human health due to the unquestionable promising biological and pharmacological activities, as shown by epigenetic research, too. These compounds are able to modulate the intracellular signal cascade, and in addition to their well-known antioxidant activity, they can be utilized to promote cell survival or death, focusing their action on a well-defined biological target. These characteristics make the daily assumptions of flavonoids a natural defense weapon to promote organisms' wellness. Taking into account the strong interest in polyphenols as an emerging challenge for the development of health-promoting compounds and potential biotechnological applications, this Special Issue will cover a wide variety of areas, aiming to contribute to the overall knowledge of the molecular mechanism of flavonoids action by multiple points of view on both in producers and in consumers.

---

### Guest Editor

Prof. Dr. Davide Barreca

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, 98168 Messina, Italy

---

### Deadline for manuscript submissions

closed (25 April 2023)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/98490](https://mdpi.com/si/98490)

*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)* 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)