

## Special Issue

# The Potential Health Benefits of Resveratrol

### Message from the Guest Editor

Resveratrol is a naturally occurring diphenolic compound. Animal studies have shown that resveratrol exerts numerous beneficial effects on the organism. Resveratrol action is well established under various pathological conditions. It has been demonstrated to have, among others, anti-diabetic, anti-obesity, nephroprotective, hepatoprotective, neuroprotective, anti-cancer, anti-inflammatory, and antioxidant properties. Resveratrol also ameliorates ethanol-induced disturbances and is effective in rheumatoid arthritis. Moreover, it is well known that its ingestion is associated with cardiovascular benefits. Animal studies have shown that long-term resveratrol treatment is safe since it is not accompanied by any side effects. However, resveratrol, similar to many other natural-derived compounds, may exert different effects in various tissues, and its action may not be dose-dependent. The topic of the Special Issue focuses on molecular mechanisms, elucidating the health advantageous effects of resveratrol that enable its future use in human treatment.

### Guest Editor

Dr. Katarzyna Szkudelska

Department of Animal Physiology, Biochemistry and Biostructure,  
Poznan University of Life Sciences, 60-637 Poznan, Poland

### Deadline for manuscript submissions

closed (30 June 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/140952](https://mdpi.com/si/140952)

*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)