

## Special Issue

# Targeted Protection of Bioactive Compounds to Mitochondria

### Message from the Guest Editors

Different bioactive compounds have been shown to improve mitochondrial function and dynamic behaviour, counteracting cellular damage, tissue dysfunction and metabolic diseases. The submission of original research articles or reviews related to the targeted protection of bioactive compounds to mitochondria is encouraged. It is particularly encouraged the submission of manuscript focused on clarify at the cellular and molecular level, the role of bioactive compounds in regulating interaction between mitochondria and the others intracellular components, such as endoplasmic reticulum and nucleus, as well as their impact into the interplay between mitochondrial bioenergetics, reactive oxygen species production and inflammatory pathways in the frame of the new concept of metaflammasome. Understanding how bioactive compounds may improve mitochondrial bioenergetics and metabolic adaptation at the cellular and molecular level, has the potential to generate new knowledge that will lead to improved treatment or protection towards many of the metabolic diseases that characterize modern societies.

### Guest Editors

Dr. Lillà Lionetti

Department of Chemistry and Biology, University of Salerno, 84084 Fisciano, Italy

Prof. Dr. Assunta Lombardi

Università degli Studi di Napoli Federico II, Department of Biology, Naples, Italy

### Deadline for manuscript submissions

closed (31 October 2019)



## International Journal of Molecular Sciences

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/18013](https://mdpi.com/si/18013)

*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)