

Special Issue

Connexins Multifaceted Aspects in Homeostasis and Disease

Message from the Guest Editors

This Special Issue, “Connexins multifaceted aspects in homeostasis and disease”, aims to collect original research manuscripts, short communications, and reviews on the latest progress uncovering mechanisms and strategies for connexin targeting in both channel-dependent and -independent functions. Indeed, a detailed analysis of the pathophysiology of Connexin could represent a strategic link in the growing urgency to develop a molecular signature towards personalized medicine. **Keywords:**

- Connexin
- gap junction
- hemichannels
- intercellular communication
- signaling
- homeostasis
- imaging
- animal model
- inflammation
- oxidative stress

Guest Editors

Dr. Rosalba Parenti

Department of Biomedical and Biotechnological Sciences (BIOMETC),
Section of Physiology, University of Catania, Via S. Sofia 89, 95123
Catania, Italy

Dr. Nunzio Vicario

Department of Biomedical and Biotechnological Sciences, University of
Catania, 95123 Catania, Italy

Deadline for manuscript submissions

closed (31 July 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/115807

*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 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)