

## Special Issue

# Heart Failure Mechanisms and Treatment Advances

### Message from the Guest Editor

Heart failure is a complex growing global health problem with a high mortality rate and significant morbidity. Basic and transitional research in this field has provided valuable insights into the molecular, cellular, and physiological changes that occur in cardiomyopathy and heart failure. However, further research is needed to unravel the intricate mechanisms involved and identify novel therapeutic targets that can improve outcomes for patients with heart failure. This Special Issue seeks to address the underlying mechanisms behind the development and progression of various cardiomyopathies and heart failure, shedding light on novel therapeutic approaches to improve patient outcomes. This issue calls for original research articles from researchers in the field of cardiology and related disciplines. Contributions may cover a wide range of topics, including but not limited to the pathophysiology of heart failure, cellular and molecular mechanisms involved, genetic and epigenetic factors, biomarkers for early detection and prognosis, novel imaging techniques for assessing cardiac function, and emerging treatment strategies.

### Guest Editor

Dr. Rabea Asleh

Hadassah University Medical Center, Hebrew University of Jerusalem, Jerusalem, Israel

### Deadline for manuscript submissions

closed (31 October 2024)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/180276](https://mdpi.com/si/180276)

*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)