



## **Molecular Pharmacology and Interventions in Cardiovascular Disease**

Guest Editor:

**Dr. Magdalena Zabielska-Kaczorowska**

Department of Physiology,  
Medical University of Gdansk, 80-  
210 Gdansk, Poland

Deadline for manuscript  
submissions:

**31 August 2024**

### **Message from the Guest Editor**

Dear Colleagues,

The prevalence of cardiovascular diseases, which are complex and multifunctional, rises as the mean age of the population increases. The size of the myocardial infarction remains a crucial therapeutic target, because it correlates with heart failure and mortality. Efforts are being directed towards the development of novel drugs via the physiochemical modification of drug molecules and the design and synthesis of new drugs, with an emphasis on drug delivery, controlled drug release, and the targeting of drugs to the site of action in order to enhance the therapeutic effect.

The optimization of pharmacologic agents is critical to the development of diagnostic, treatment, and preventive strategies in the cardiology field. It is essential to promote the endogenous regeneration of the heart in order to improve the prognosis of patients with cardiac injury and to find effective therapeutic strategies for it.

This Special Issue focuses on the role of cardiovascular pharmacology and interventions in cardiac injury, aiming to elucidate pharmacologic strategies that may be employed to promote heart repair after cardiac injury.





an Open Access Journal by MDPI

## 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

## 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.

## 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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI