



## The Impact of Sex Hormones on Cardiovascular System: Pathophysiological Perspective

Guest Editor:

**Prof. Dr. Jan Pitha**

Cardiology Department,  
Cardiovascular Centre, Institute  
for Clinical and Experimental  
Medicine, 140 21 Prague, Czech  
Republic

Deadline for manuscript  
submissions:

**30 June 2024**

### Message from the Guest Editor

One misunderstood area in medicine is the effect of various sex hormones, including their metabolites, transport proteins and fluctuations, on different parts of cardiovascular system. The understanding of this phenomenon could be expanded at the laboratory level and in clinical observations and studies and could be critical for the improvement of medical care. To support those who are involved in this field, this Special Issue of *IJMS* is dedicated to high-quality studies focused on the effect of sex hormones on the cardiovascular system at various levels. Based on our previous positive experience, we believe that your research could add substantial value to this Special Issue. In particular, as the Guest Editors, we would like to invite you to contribute a research paper or review article for peer review, and potentially, for publication. Priority will be given to the articles focused on experimental research investigating the (sub)molecular mechanisms of hormonal processes involved in the development of cardiovascular disease. Case reports are not suitable for publication in this Special Issue.





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