

Special Issue

Metabolomics in Coronary Artery Disease: From Pathogenesis to Personalized Medicine

Message from the Guest Editor

Coronary artery disease (CAD) represents one of the leading mortality conditions in current populations. CAD is considered a multifactorial disease, and various factors subsidize its pathogenesis. The classical risk factors of CAD are well-defined, and their satisfactory management is postulated, though the prevalence of epicardial disease in epidemiological reports is still alarming. Among novel biomarkers based on a personalized approach, metabolomic analysis is raising scientific attention as it represents the combination of genetic and non-genetic phenotypes. It is believed that metabolomics inquiries may provide a more accurate understanding of the disease pathogenesis and drug response disparities between the patients. This may help in personalized attitude and guiding therapy, particularly for multifactorial diseases such as CAD. The assessment of risk factors, diagnosis, drug response, and results from metabolomic analysis will be the subject of the issue. The issue will focus on metabolomics results' possible application in CAD risk prediction and management.

Guest Editor

Dr. Tomasz Urbanowicz

Department of Cardiac Surgery and Transplantology, Poznan University of Medical Sciences, 61-848 Poznan, Poland

Deadline for manuscript submissions

20 December 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/227943

*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)