

Special Issue

Lipids Metabolism and Cardiometabolic Diseases

Message from the Guest Editors

Cardiometabolic diseases are one of principal causes of death around the world. Lipids are the regulators of the biological processes that are associated with normal cell function, metabolism, and distribution. Abnormal lipid profile and changes in lipid components can have profound effects on cell function, the immune system, antioxidant defences, and inflammatory responses. The advent new tools and information technologies have made it feasible to analyse entire lipid profiles (lipidomics) in biofluids and tissues. The mechanisms that link lipid metabolism and coronary artery diseases have been studied, but which lipids and particular species (i.e., ceramides, phosphocoline, lysophosphatidylcholines) are involved in this interaction remain poorly understood. We invite investigators to contribute either original research or review articles that are in accordance with this Special Issue, which focuses on the role and mechanisms of lipid dysregulation-related diseases, including obesity, diabetes, non-alcoholic fatty liver disease (NAFLD/NASH), atherosclerosis, hypertension, and coronary artery diseases.

Guest Editors

Dr. Melania Gaggini

Istituto di Fisiologia Clinica, National Research Council of Italy, Via Moruzzi 1, I-56124 Pisa, Italy

Dr. Cristina Vassalle

Fondazione CNR-Regione Toscana G. Monasterio, Via Moruzzi 1, I-56124 Pisa, Italy

Deadline for manuscript submissions

closed (20 April 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/110962

*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)