

Special Issue

Advanced Research on the Detection of Small Metabolites in Biological Fluids

Message from the Guest Editor

Metabolic abnormalities lead to various dysfunctions that lead to the accumulation or deficiency of metabolites. These metabolites are therefore useful for predicting the diagnosis of diseases or monitoring treatments. Therefore, analytical methods of detection and monitoring are essential. Small-molecule metabolite-based metabolomics has become a specialized tool for analyzing metabolic biomarkers and pathways. A metabolomic approach can involve small molecules. The first phase involves the experimental design, then the choice of biological subjects, then the collection of samples, and finally the preparation and extraction of the metabolites. The final phase involves the acquisition and processing of data for the identification of biomarkers and their functional roles. This special issue is open for original research articles, short communications, and reviews.

Guest Editor

Dr. Stefania Garzoli

Department of Chemistry and Technologies of Drug, Sapienza University, P.le Aldo Moro 5, 00185 Rome, Italy

Deadline for manuscript submissions

closed (20 October 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/203700

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)