

Special Issue

High Fat Diet Metabolism and Diseases

Message from the Guest Editors

Fat diet is closely linked to food consumption, particularly the increase in fats in diets across Western countries.

Research with “high-fat diets” or other diets must include the specific daily consumption of the compounds present in the foods used, as well as ages, sex, and other variables that affect metabolism and generate related pathologies. These variables often have profound implications on cellular and molecular biology, underpinning the intricate interplay between diets and health. Interestingly, all organs and systems respond by adapting to the internal conditions that generate these diets, forming the basis of known pathologies.

This Special Issue will explore the intricate relationship between high-fat diets and health. We invite researchers to submit their work examining how these diets affect metabolism, from cell to molecular biology, lead to diverse pathologies, and impact various organs and systems—from the reproductive to the lungs.

Guest Editors

Dr. Miguel Walter Fornés

Institute of Histology and Embriology from Mendoza—IHEM, CONICET Mendoza, Universidad Nacional de Cuyo, Mendoza, Argentina

Prof. Dr. Luís Fernando Barbisan

Department of Structural and Functional Biology, Biosciences Institute, São Paulo State University (UNESP), Botucatu 18618-689, Brazil

Deadline for manuscript submissions

20 September 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/218388

*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)