

Special Issue

Innovative Molecular Target and Therapeutic Approaches in Fatty Liver Disease

Message from the Guest Editor

There is no doubt that both Western and Eastern countries have been affected over the last decade by an obesity epidemic, which is associated with fatty liver disease. This trend is not going to decrease in the following decades.

Importantly, patients with MAFLD exhibited decreased ATP production, ultrastructural mitochondrial abnormalities, and mitochondrial DNA damage in their liver tissues. Furthermore, it has been discovered that there are linkages between the liver and other organs, such as adipose tissue and the intestine, which adds to the multifactorial nature of MAFLD.

Since there are currently no satisfactory therapeutic agents for non-alcoholic fatty liver disease (NAFLD), the goal of this Special Issue is to present an update on the diagnosis and treatment of this condition, with the hope of enlightening the molecular targets, which can become innovative therapeutic approaches in a short and medium term.

Guest Editor

Prof. Dr. Consolato M. Sergi

Department of Laboratory Medicine & Pathology, Division of Anatomical Pathology, Children's Hospital of Eastern Ontario, University of Ottawa, Ottawa, ON K1H 8L1, Canada

Deadline for manuscript submissions

30 May 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/228193

*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)