

## Special Issue

# Modulation of the Immune System and Oxidative Stress in Liver Illnesses

### Message from the Guest Editors

The regulation of the immune system and oxidative stress plays a direct role in liver disorders. However, they are not solely engaged in processes linked to harm. Oxidative stress is linked to the redox state and plays a significant role in various physiological processes, including cellular signaling adaptations and the hypothalamic regulation of hunger. Inflammatory mediators play a crucial role in the mechanisms involved in liver diseases. Nevertheless, when these two events are no longer subject to regulations, their impact becomes detrimental. Within this Special Issue, we hope to cover all the immunoregulatory mechanisms involved in liver disease and the best approaches and timing to prevent inflammation and oxidative stress.

Prof. Dr. Dan Ionuț Gheonea

---

### Guest Editors

Dr. Vlad Pădureanu

Department of Internal Medicine, University of Medicine and Pharmacy of Craiova, 200349 Craiova, Romania

Prof. Dr. Dan Ionuț Gheonea

Department of Gastroenterology, University of Medicine and Pharmacy of Craiova, Craiova, Romania

---

### Deadline for manuscript submissions

20 August 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/215250](https://mdpi.com/si/215250)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto: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)