

## Special Issue

# Molecular Mechanisms Underlying Liver Diseases

### Message from the Guest Editor

The liver, a central metabolic hub in the human body, plays a pivotal role in maintaining homeostasis and overall health. As an organ of paramount importance, the liver is susceptible to a myriad of diseases, necessitating a comprehensive exploration of the underlying molecular mechanisms. This Special Issue aims to decipher the underlying molecular landscapes governing liver diseases, shedding light on novel insights and potential therapeutic avenues.

### Keywords

- pathogenesis of liver diseases
- molecular mechanisms
- organelle damages
- genetic determinants
- organ–organ interactions
- biomarkers
- in vivo models of liver diseases
- therapeutic insights

---

### Guest Editor

Dr. Wei Zhong

Department of Internal Medicine, University of Kansas Medical Center,  
3901 Rainbow Blvd., Kansas City, KS 66160, USA

---

### Deadline for manuscript submissions

closed (30 April 2025)



## Biomolecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/194382](https://mdpi.com/si/194382)

*Biomolecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biomolecules@mdpi.com](mailto:biomolecules@mdpi.com)

[mdpi.com/journal/  
biomolecules](https://mdpi.com/journal/biomolecules)





# Biomolecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/journal/  
biomolecules](https://mdpi.com/journal/biomolecules)



## About the Journal

### Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

---

### Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

---

### 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, MEDLINE, PMC, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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