

## Special Issue

# Molecular Mechanisms and Biomarkers in Drug-Induced Organ Injury

### Message from the Guest Editor

In the field of nephrotoxicity, serum creatinine is usually examined for use as a conventional marker for renal damage in clinical treatment. However, this biochemical parameter is acknowledged to be non-specific to cover drug-induced kidney injury. Similar to kidney injury, drug-induced liver, lung, and bone marrow injury are often observed in pharmacotherapy and chemotherapy. Therefore, some organ-specific and/or drug-specific biological markers including functional proteins, peptides, nucleic acids, fatty acids, miRNAs, and so on are required to make accurate diagnosis. Recently, the research area of biomarkers in pharmacology and toxicology has been expanded to find the physiological and pathophysiological significance in molecular-biological processes. With these exciting findings, this Special issue focuses on “Molecular Mechanisms and Biomarkers in Drug-Induced Organ Injury”.

---

### Guest Editor

Prof. Dr. Satohiro Masuda

Division of Clinical Pharmaceutics, Department of Pharmaceutical Health Care, Faculty of Pharmaceutical Sciences, Himeji Dokkyo University, Himeji 670-8524, Japan

---

### Deadline for manuscript submissions

closed (31 December 2020)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/22940](https://mdpi.com/si/22940)

*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)