Special Issue

Drug-Induced Toxicity and Its Role in Disease Progression and Therapeutic Outcomes

Message from the Guest Editors

This Special Issue aims to explore the multifaceted impact of drug-induced toxicity on disease management and therapeutic success. While pharmacological treatments combat a wide range of diseases, adverse toxicological effects can compromise their efficacy, lead to treatment discontinuation, or even exacerbate disease progression.

- Drug-induced toxicity in chronic therapies
- Drug–drug interactions and enhanced toxicological risks in polypharmacy
- The impact of toxicity on treatment adherence and therapeutic resistance
- The molecular and cellular mechanisms underlying drug toxicity
- Using preclinical models to predict toxicity
- Pharmacogenomics and interindividual variability in drug toxicity susceptibility
- The toxicological effects of drugs in vulnerable populations
- Strategies for mitigating or preventing toxicity without compromising efficacy
- Drug repurposing and novel applications of compounds with known toxicity profiles
- Advanced drug delivery systems to minimise systemic toxicity

Guest Editors

Prof. Dr. Eugenia Gallardo

1. Health Sciences Research Centre, University of Beira Interior (CICS-UBI), 6200-506 Covilhã, Portugal
2. Pharmaco-Toxicology Laboratory, UBIMedical, University of Beira Interior, 6200-284 Covilhã, Portugal
3. Centro Académico Clínico das Beiras (CACB)—Grupo de Problemas Relacionados com Toxicofilias, 6200-284 Covilhã, Portugal

Dr. Tiago Rosado

1. Centro de Investigação em Ciências da Saúde, Universidade da Beira Interior (CICS-UBI), 6201-506 Covilhã, Portugal
2. Laboratório de Farmaco-Toxicologia, UBIMedical, Universidade da Beira Interior (CICS-UBI), 6201-506 Covilhã, Portugal

Deadline for manuscript submissions

20 April 2026

International Journal of Molecular Sciences

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)