

Special Issue

Drug Metabolism and Toxicological Mechanisms—2nd Edition

Message from the Guest Editors

The first edition of the Special Issue on “Drug Metabolism and Toxicological Mechanisms” featured original research articles and comprehensive reviews that highlighted innovative methods and models. These included advancements in computational toxicology, the use of zebrafish as a model organism, and the application of multi-omics high-throughput sequencing technologies. These approaches were explored for their potential in enhancing toxicological risk assessment during the ADMET (Absorption, Distribution, Metabolism, Excretion, and Toxicity) processes of drug development. This Special Issue mainly focuses on drug metabolism and toxicological mechanisms. It extensively covers a range of topics, including drug metabolism, physiologically based pharmacokinetic (PBPK) modeling, toxicokinetics–toxicodynamics (TK–TD), ADME characterization, the identification and toxicity of metabolites, high-throughput pharmacokinetics (HT–PK), organ-specific toxicity, and toxicological mechanisms.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

Editor-in-Chief

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).