metabolites

an Open Access Journal by MDPI

IMPACT FACTOR 4.1

Indexed in: PubMed

CITESCORE 5.3

Metabolomics in Drug Metabolism, Drug-Drug Interactions, and Drug Toxicity

Guest Editor:

Dr. Pengcheng Wang
Translational Medicine, Novartis Biomedical Research, Cambridge, MA 02139, USA

Deadline for manuscript submissions:
30 December 2024

Message from the Guest Editor

Dear Colleagues,

Issues related to drug safety remain a major bottleneck in drug discovery and development. Recent technological advancements in metabolomics have helped us to gain insights into the mechanisms of drug toxicity, translatability to humans, prediction of safety events, mitigation of side effects, and development of safety biomarkers. Metabolomics applied to drug metabolism, drug–endobiotic interactions, and drug–drug interactions offers an ideal opportunity to study the toxicological effects of drugs.

This Special Issue is devoted to metabolomics in drug metabolism, drug–drug interactions, and drug toxicity. The topics that will be covered include studies on the metabolomic analyses of the fate of drugs and host responses to drugs (including new modalities such as peptides, antibody–drug conjugates, protein therapeutics, and oligonucleotide therapeutics), as well as endogenous probes for drug–drug interactions. Additional topics include metabolomic analyses of studying the mechanism, prediction, and safety biomarkers of drug toxicity.

mdpi.com/si/192517

Special Issue

metabolites

an Open Access Journal by MDPI

IMPACT FACTOR 4.1 | Indexed in: PubMed | CITESCORE 5.3

Editor-in-Chief

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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, Embase, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Biochemistry & Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

Contact Us

Metabolites Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metabolites
metabolites@mdpi.com
𝕏@MetabolitesMDPI