

Special Issue

Metabolomics in Toxicology

Message from the Guest Editors

Over the last decade, the increasing awareness of the central role of metabolic pathways in biological processes, together with the advances in high-throughput profiling techniques, mainly Nuclear Magnetic Resonance (NMR) spectroscopy and mass spectrometry (MS), have boosted the application of metabolomics in various fields of research, including human health and nutrition, environmental interactions, functional genomics and toxicology. This Special Issue aims at presenting recent developments and applications of metabolomics in toxicology. The topics to be covered include xenobiotics metabolism and toxicity, preclinical and clinical biomarkers of toxic injury, exposome impact on human health and disease, and ecotoxicology. Manuscripts dealing with other emergent issues in toxicology, such as the impact of nanomaterials on health, and food screening and safety are also highly welcome.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

Dr. Amedeo Lonardo

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