

Special Issue

Metabolic Impacts of Toxic Exposures on Human Health and Potential Biomarkers

Message from the Guest Editors

The impact of the environment on the development of chronic diseases is acknowledged as the main global cause of death. To this end, cardiovascular and degenerative diseases, diabetes, and cancer have gained prominence in recent years, associated with environmental exposure to chemicals and metabolic responses. This Special Issue is devoted to the ***Metabolic Impacts of Toxic Exposures on Human Health and Potential Biomarkers*** and the topics that will be covered include (not exclusively):

- Important concepts of metabolome analysis;
- The steps of both untargeted and targeted metabolomics workflow;
- Studies on metabolomic analyses, which provide early diagnosis of alterations in xenobiotic metabolism via metabolic patterns or signatures that indicate chemical exposure (environmental or occupational) or reveal patients' health or disease status.

Guest Editors

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Prof. Dr. Isarita Martins Sakakibara

Prof. Dr. Maria José Nunes de Paiva

Prof. Dr. Solange Cristina Garcia

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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).