

Special Issue

Biostatistics and Bioinformatics in Metabolomics Research: From Study Design and Analytics to Clinical Insights and Public Health Implications

Message from the Guest Editor

This Special Issue will showcase cutting-edge methodologies, innovative applications, and emerging trends at the intersection between data science and metabolomics needed to catalyze advances that will impact public health. We request original research articles, applications of approaches, reviews, and perspective pieces that address, but are not limited to, the following areas:

- Study Design and Power Analysis
- Data Preprocessing and Quality Control
- Statistical and Bioinformatic Approaches in Metabolomics
- Clinical Applications and Precision Medicine through Metabolomic Epidemiology

I look forward to receiving your contributions to this exciting field, which is at the forefront of biomedical research and precision medicine. Please do not hesitate to reach out to discuss your potential contributions to this Special Issue. Submissions from under-represented researchers, trainees, and early-career investigators are highly encouraged.

Guest Editor

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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).