

Special Issue

Advancements in Mass Spectrometry Techniques for Metabolomic and Pharmaceutical Analysis

Message from the Guest Editors

Mass spectrometry is an indispensable technique in life sciences research, as it can be used to characterize the metabolic profile of complex biomatrices, investigate drug pharmacokinetics, visualize the spatial distribution of metabolites, differentiate stereoisomers, and discover disease-associated biomarkers. Given the importance of mass spectrometry in advancing biochemical, pharmaceutical, and biomedical sciences, this Special Issue aims to present research and review articles related to topics of mass spectrometry techniques and its applications in metabolomic, pharmaceutical, and biochemical analyses. We welcome submissions highlighting technical advancements in mass spectrometry, including but not limited to the following topics: sample pretreatment (purification, derivatization, and enrichment); hyphenated techniques (chromatography, spectroscopy, electrochemistry, etc.); in situ sampling and ambient ionization for spatial metabolomics; high-dimensional and multi-modular data processing in multi-omics; and bioinformatics analysis for reliable marker discovery and annotation.

Guest Editors

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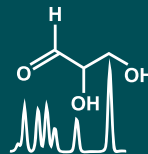
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About the Journal

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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