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Application of Mass Spectrometry Analysis in Metabolomics

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Deadline for manuscript submissions:
closed (15 November 2023)

Message from the Guest Editors

Dear Colleagues,

Mass spectrometry has become the leading technology deployed in 'omics' studies due to its high sensitivity, specificity, speed and suitability for combination with other methods. Technical advances such as high-mass-resolution analysers or the incorporation of ion mobility continue to improve mass spectrometry instrumentation and help us overcome current bottlenecks in metabolite identification and coverage of the global metabolome.

In this Special Issue on "Application of Mass Spectrometry Analysis in Metabolomics" we want to highlight the breadth of research and applications of mass spectrometry in the metabolomics field. Areas of interest include, but are not limited to: environmental and clinical research; methodological approaches from shotgun/profiling methods and spatial metabolomics; fluxomics; and more classical separation-based approaches.

We encourage submissions of both primary research papers and reviews on any aspect of mass spectrometry relating to application, method and instrumentation development as well as bioinformatics.

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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.

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