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LC-MS Method Development and Metabolomics Data Analysis

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Message from the Guest Editors

Dear Colleagues,

LC–MS is an important analytical platform in metabolomics and lipidomics research, providing an essential and robust toolset for elucidating the complexities of biological systems. With the advent of increasingly sophisticated LC–MS methodologies, researchers are gaining a better understanding of metabolic pathways and systematic biological changes.

This Special Issue explores the advancements in LC–MS metabolomics, the introduction of new chromatographic methods, and the innovations in spectral deconvolution. Furthermore, it is devoted to spotlighting advances in LC–MS data analytics and data visualization. Though the primary focus is LC–MS metabolomics, this Special Issue is also open to topics that include the use of important analytical platforms like NMR and GC–MS and their respective data analysis strategies. In fact, of particular interest is how these other platforms can work together with LC–MS to gain a richer, more nuanced understanding of metabolic pathways and systematic biological changes.

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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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