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MS-Based Metabolomics for the Study of Metabolism in Complex Systems

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Deadline for manuscript submissions:
31 May 2024

Message from the Guest Editors

The metabolism occupies a central role in the environmental context, serving as a vital link connecting genetic information with environmental dynamics. The comprehensive assessment of metabolites enables the capture of instantaneous snapshots depicting the metabolic landscape of organisms such as plants, microbes, and entire ecosystems, which, when coupled with multi-omics (genomics, transcriptomics, proteomics), can further advance our understanding of the impact of external influences on ecosystem stability, with exciting implications for our understanding the future of our Earth in the face of changing environmental conditions.

We encourage submissions exploring the functional interplay within complex microbiomes (soil and gut), alongside software innovations and critical evaluations that spotlight the transformative potential of metabolomics in deciphering the nuances of metabolism within the ever-shifting ecological context.

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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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