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Sample Preparation in Metabolomics Volume II

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Deadline for manuscript submissions:
closed (20 March 2023)

Message from the Guest Editors

For metabolite untargeted or targeted profiling aiming at identifying and quantifying a selected number of metabolites, sample preparation plays a critical role to simplify metabolome complexity. This Special Issue of Metabolites will publish reviews and original articles covering the latest developments of sample purification such as solvent precipitation, ultrafiltration, liquid-liquid extraction, and solid-phase extraction for targeted and untargeted analysis using mass spectrometry platforms in application fields such as food analysis, biomedicine, clinical, microbiology, pharmaceutical and biotechnology industries.

Sample preparation should be the papers' focus related to deep metabolite coverage, showing the simplicity and minimal handling needed to prevent metabolite loss and/or modification, to reduce the occurrence of extraneous contaminants, and to guarantee reproducibility in metabolome composition.

Finally, comprehensive studies comparing the performance of various sample preparation methods in metabolomics are welcome to aid in the selection of the most appropriate method for a given application.

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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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