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Sample Preparation in Metabolomics

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Message from the Guest Editors

Dear Colleagues,

Metabolomics is increasingly being used to explore the dynamic responses of living systems in biochemical research. The complexity of the metabolome is outstanding, requiring the use of complementary analytical platforms and methods for its quantitative or qualitative profiling. In alignment with the selected analytical approach and the study aim, sample collection and preparation is a challenging factor that has to be carefully selected to generate high-quality metabolomic data.

This Special Issue of *Metabolites* will publish reviews and original articles covering the latest developments of sample collection, preparation and optimization for targeted and untargeted analysis using different analysis platforms in application areas such as biomedicine, food analysis, and the pharmaceutical and biotechnology industries.

Furthermore, data analysis tools for assessing sample preparation and new frontiers and technological breakthroughs will be addressed.

Dr. Julia Kuligowski
Dr. Guillermo Quintás
Guest Editors



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Special Issue



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Editor-in-Chief

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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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