



Metabolomics and Its Application in Human Diseases

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Metabolomics is a rapidly growing and promising field facilitating innovations and discoveries in the life sciences and in biomedical research. Metabolomics has emerged as an essential tool for studying metabolic processes, the stratification of patients, as well as illuminating the fundamental metabolic alterations in disease onset, progression, or response to therapeutic intervention. Standalone, or as a part of multi-omics protocols, metabolomics contributes significantly to putting into practice the principles of precision medicine. Therefore, this Special Issue of *Metabolites* is tailored to the biomedical community. It combines timely reviews discussing the challenges associated with metabolomics and its integration with other omics methods and protocols, applied towards human disease studies with research articles presenting new findings and results related to metabolomics application in research related to human diseases.

Dr. Vladimir V. Tolstikov

Guest Editor





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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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