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State-of-the-Art Metabolomics and Lipidomics in Life Sciences: Methods and Applications

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Deadline for manuscript
submissions:

closed (15 August 2023)

Message from the Guest Editors

The understanding of mechanisms in disease development and treatment has been the center of life science research for decades or even centuries. Over the past twenty years, substantial progress has been made by the establishment regarding the application of metabolomics and lipidomics approaches, which has allowed researchers, for the first time, to study a plethora of metabolites and metabolic pathways simultaneously.

Profs. Guowang Xu and Rainer Lehmann have been closely cooperating for 25 years in this field of research. In 2023 *Metabolites* is pleased to announce this Special Issue dedicated to Profs. Guowang Xu and Rainer Lehmann about state-of-the-art metabolomics and lipidomics research in life science to celebrate this fruitful Sino-German scientific cooperation and their close friendship.

This Special Issue welcomes high-quality reviews, original research articles or other types of papers addressing all aspects of life science research from microbes, plants, animals to humans applying metabolomics or lipidomics, as well as reports on new biomarkers, protocols, strategies or bioinformatic tools.



mdpi.com/si/163612

Special Issue



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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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