

Special Issue

Research Progress of Metabolomics in Health and Disease

Message from the Guest Editor

To date, metabolomics has emerged as an indispensable platform for the overall analysis of the metabolites, i.e. all the small molecules occurring in the biological systems, including humans, plants, foods, animals and microbes, to discover networks and interactions between them. Moreover, metabolomic studies can help in the discovering of new biomarkers for the diagnosis of health diseases. Studies concerning metabolomics are in continuous progress, allowing new developments in the analytical methods and data analysis tools. This Special Issue is focused on the progresses of the metabolomic technology, both analytical methods and data analysis, in the fields of health and diseases. The topics covered include but are not limited to the application of the modern analytical techniques, such as GC-MS, LC-MS/MS and HRMS, for the comprehensive evaluation of the metabolic fingerprint of biological systems related to the diagnosis and mechanisms elucidations of health diseases involving human or animal samples, or the target identification of specific classes of compounds as well as the manipulation of the big data produced during metabolomic analysis.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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