

Special Issue

Metabolomics as a Window into Human Disease Mechanisms

Message from the Guest Editor

The aim of this Special Issue, “Metabolomics as a Window into Human Disease Mechanisms”, is to bring together cutting-edge research and reviews that highlight the growing role of metabolomics in biomedical science. Contributions addressing a broad range of topics are encouraged, including the discovery of metabolic biomarkers for early disease detection, elucidation of mechanisms underlying metabolic dysregulation, and integration of metabolomics with genomics, proteomics, and transcriptomics to achieve a systems-level understanding of disease. Particular emphasis will be placed on technological innovations in liquid chromatography mass spectrometry (LC-MS) and nuclear magnetic resonance (NMR), advances in bioinformatics and data interpretation, and applications across cancer, cardiovascular, neurodegenerative, and metabolic disorders. By illuminating the metabolic underpinnings of disease, this Special Issue aims to inspire further exploration and translation of metabolomic insights into human health improvement.

Guest Editor

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Message from the Editor-in-Chief

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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