Special Issue

Role of Metabolic Factors and Their Interactions on Diabetes and Its Complications

Message from the Guest Editor

Dear Colleagues This Special Issue aims to provide a comprehensive overview of the latest research on how metabolic factors such as obesity, hypertension, dyslipidemia, and insulin resistance contribute to diabetes onset and progression. It will also delve into the interactions between these factors, examining how they synergistically influence the risk and severity of diabetes-related complications, including cardiovascular disease, nephropathy, neuropathy, and retinopathy. A key focus will be on the application of new technologies in bioinformatics, such as machine learning algorithms, multi-omics integration, and advanced data analytics, which are revolutionizing our understanding of the metabolic pathways involved in diabetes. By bringing together cutting-edge studies from diverse fields, this Special Issue seeks to enhance our understanding of the multifactorial nature of diabetes and identify potential avenues for prevention and treatment. Researchers, clinicians, and public health professionals will find valuable insights into the metabolic underpinnings of diabetes and its far-reaching health implications.

Guest Editor

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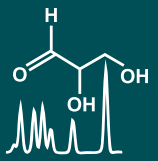

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About the Journal

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.

Editor-in-Chief

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