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Bioactive Food Ingredients in Prevention and Alleviation of Metabolic Diseases

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Message from the Guest Editors

Dear Colleagues,

Metabolic diseases comprise a growing group of disorders associated with inherited and acquired errors in critical enzymes controlling metabolic pathways and homeostatic processes in health. The development of these diseases is widely recognized as being highly linked to fetal development conditions, an individual's nutritional status, altered endocrine responses, and dietary factors. This Special Issue aims to delve into the physiological factors and mechanisms that may regulate an individual towards a reduced risk of highly prevalent metabolic diseases, with a particular emphasis on bioactive compounds or food metabolites that positively regulate specific processes.

The scope of this Special Issue focuses on disseminating the scientific community's advances related to the analysis of bioactives and their metabolites, as well as the regulation of pathways or processes in metabolic disturbances. Researchers seek to uncover potential interventions or preventive measures against metabolic diseases by exploring the roles of bioactive components derived from food sources.



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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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