

Special Issue

Effects of Phytochemicals on Human Metabolism

Message from the Guest Editors

The effect of dietary phytochemicals in human metabolism has gained significant attention in recent years, particularly regarding their potential roles in metabolic regulation, energy homeostasis, and disease prevention. This Special Issue aims to explore the biochemical and physiological mechanisms through which these bioactive plant-derived compounds influence metabolic pathways, with a particular focus on their applications in obesity, diabetes, cardiovascular health, and inflammation. We welcome the submission of original research articles, comprehensive reviews, systematic reviews, and meta-analyses that investigate the effects of phytochemicals on metabolic biomarkers, physical performance, enzymatic activity, gene expression, and mitochondrial function in humans. Studies addressing the synergy between phytochemical-rich diets, lifestyle interventions, and impacts on the human metabolome are also encouraged. We look forward to receiving your contributions to further advance the understanding of the potential health benefits of phytochemicals on human metabolic health.

Guest Editors

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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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