Special Issue

Metabolomic Advances in Promoting Exercise-Induced Metabolic Changes

Message from the Guest Editors

Physical exercise promotes several physical and mental benefits to the human body and plays an important role in the prevention of chronic diseases. The effects of exercise are mediated by a complex process that involves the activation of integrated body systems at the molecular and cellular levels. The increasing use of metabolomics technologies in this field has allowed researchers to investigate the impact of exercise on the body through analyzing metabolites released by tissues such as skeletal muscle, bone and liver into blood, saliva, urine and sweat. Thus, in this Special Issue, researchers are encouraged to submit manuscripts (original research, reviews, mini reviews and perspective articles) based on metabolomic approaches, focusing on acute and chronical changes caused by exercise, as well as the combination of physical exercise with other therapies (nutrition and medication), in individuals with or without morbidities, athletes and individuals of different sex, race, ethnicity and/or region.

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2025)

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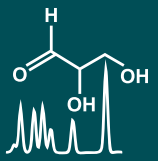

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About the Journal

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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