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Metabolic Flexibility in Exercise Performances and Metabolic Diseases

Guest Editors:

Dr. Woo-Hwi Yang

Dr. Hun-Young Park

Dr. Yongdoo Park

Deadline for manuscript submissions:
closed (15 July 2023)

Message from the Guest Editors

Dear Colleagues,

Improved metabolic flexibility reflects the efficiency of fat and carbohydrate oxidation, mitochondrial function, and oxidative capacity such as aerobic performance. These aspects are associated with exercise performance and metabolic diseases.

This special issue invites original research and review papers that address the following aspects of the field: (a) metabolic flexibility during exercises/sports, (b) metabolic flexibility regarding cardiovascular and metabolic diseases, (c) mitochondrial function, (d) lactate metabolism, (e) fat and carbohydrate oxidation, (f) energy recovery and (g) energetic contributions.

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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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