

Special Issue

Impact of Exercise on Energy and Muscle Metabolism

Message from the Guest Editor

A key theme in this Special Issue is the adaptability of muscle metabolism in response to exercise and how this acutely and chronically affects muscle performance and adaptation. Studies have examined the molecular and cellular changes that occur in muscle tissue during and after exercise, shedding light on how exercise impacts mitochondrial function, oxidative stress and muscle fiber composition. Additionally, this Special Issue aims to explore the interplay between exercise-induced muscle contractions and metabolic signaling pathways, revealing insights into how these interactions contribute to overall metabolic health.

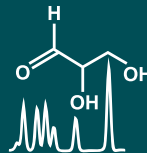
Guest Editor

Prof. Dr. Sebastian Gehlert

Department for the Biosciences of Sports, Institute of Sports Science, University of Hildesheim, Hildesheim, Germany

Deadline for manuscript submissions

closed (30 November 2024)



Metabolites

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed



mdpi.com/si/184069

Metabolites
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metabolites@mdpi.com

[mdpi.com/journal/
metabolites](https://mdpi.com/journal/metabolites)





Metabolites

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed



[mdpi.com/journal/
metabolites](https://mdpi.com/journal/metabolites)



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

Dr. Amedeo Lonardo
Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q2 (Endocrinology, Diabetes and Metabolism)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).