

Special Issue

Impact of Microbiome Community Changes on Host Health through Metabolic Dysregulation

Message from the Guest Editors

The human microbiome is a complex ecosystem of microorganisms that inhabit our bodies. Studies in the field of metabolomics have provided new insights into the interactions between the microbiome and its host, highlighting the role these microorganisms play in human health and disease. Research on the microbiome is ongoing and encompasses a wide range of topics, including potential connections between the microbiome and the development of chronic diseases as well as the ways in which the microbiome may influence normal metabolic processes. The microbiome represents a rapidly developing field of study with potential implications for medicine. This Special Issue is dedicated to exploring the frontiers of microbiome–metabolome interactions and their impact on human health. We welcome submissions that delve into the mechanisms of metabolic dysregulation associated with alterations in the microbiome community and investigate the challenges of integrating clinical microbiome and metabolomic data.

Guest Editors

Dr. Derek Reiman

Dr. Medha Priyadarshini

Prof. Dr. Yang Dai

Deadline for manuscript submissions

closed (15 March 2024)



Metabolites

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed



mdpi.com/si/162886

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 14.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).