Special Issue

Gut Microbe-Derived Metabolites in the Onset of Chronic Diseases

Message from the Guest Editors

Microbial metabolites are known to modulate host physiology and immunity. Gut microbes live in dense communities along the luminal tract metabolizing host-consumed substrate, host-produced metabolites, and responding to immune cells. These substrates and metabolites are converted to compounds that have a direct effect on the host through absorption across the intestinal mucosa or serve as substrates or anti-microbial effects on other microbes in the gut. Multi-omics studies of the gut microbiome have served to identify microbial metabolites and microbial taxa associated with intestinal chronic diseases. The aim of this special issue is to identify more novel microbial metabolites that are potential markers for gut chronic diseases. Original research, methods papers and comprehensive reviews on these topics are welcome.

Guest Editors

Dr. Jonathan Wei Jie Lee

Department of Medicine, National University of Singapore, Singapore, Singapore

Dr. Adrian Low

Department of Medicine, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

Deadline for manuscript submissions

closed (28 February 2025)

Metabolites

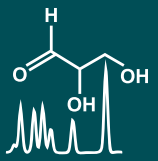
an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed

mdpi.com/si/196173

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

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

MDPI

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).