Special Issue

Metabolic Crosstalk in the Tumor Microenvironment

Message from the Guest Editors

This Special Issue will include research articles and reviews that aim to elucidate a new interplay between cancer cells and TME metabolism. Articles within this issue should address the multifaceted nature of TME metabolism, tackling the scientific challenges of the metabolic reprogramming (altered macromolecule metabolism, redox balance, and adaptation to hypoxia), metabolic crosstalk between tumor and stromal cells, nutrient competition, immune response modulation, etc. Further, the issue explores emerging therapeutic strategies that target metabolic key points within the TME to disrupt tumor progression and enhance the efficacy of existing treatments.

Articles should contain one of the following:

Nutrient competition and scarcity in the interplay between tumor cells and TME;

Symbiotic metabolite exchange between tumor cells and TME cells;

Immunosuppressive metabolites: Lactate, adenosine, and tryptophan;

Age-related metabolic reprogramming of TME: Oncometabolites and epigenetic changes;

Targeting metabolic pathways and oncometabolites: Diagnostic and therapeutic opportunities;

Integrative omics technologies in revealing tumor metabolites.

Guest Editors

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Dr. Ristic Biljana
Dr. Vesna M. Ćorić

Deadline for manuscript submissions

31 January 2026

Metabolites

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed

mdpi.com/si/245397

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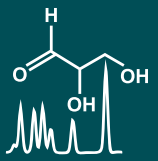

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About the Journal

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

Dr. Amedeo Lonardo
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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).