

## Special Issue

# Glycolysis and the Kidney: Mechanistic Insights, Disease Trajectories and Therapeutic Horizons

### Message from the Guest Editor

This Special Issue of *Metabolites* invites original research and reviews exploring glycolysis in kidney health and disease, with emphasis on mechanistic insights, epigenetic crosstalk, and translational potential. The scope and topics of interest include

- Glycolytic flux and regulation in kidney physiology and pathology;
- Crosstalk among glycolysis, mitochondrial metabolism, and systemic metabolic networks;
- Roles of lactate and other glycolytic intermediates in signaling, biosynthesis, and epigenetic control;
- Spatial and single-cell approaches in dissecting glycolytic heterogeneity in the kidney;
- Translational opportunities: pharmacologic modulation of glycolysis and precision metabolic therapies.

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### Guest Editor

Dr. Pinelopi Kapitsinou

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### Deadline for manuscript submissions

closed (31 March 2026)



## Metabolites

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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.

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### Editor-in-Chief

Dr. Amedeo Lonardo  
Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-  
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#### 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).