

## Special Issue

# Metabolic Responses to Ruminant Nutrition and Production Practices

### Message from the Guest Editors

Increasing evidence has shown the importance of metabolic changes in ruminants regarding feed strategies and production systems. A better understanding of the molecular factors that affect the metabolism of these animals can significantly help achieve the new goals of producing high-quality animal-sourced foods to meet the growing demand of the human population. This Special Issue of *Metabolites* will seek to expand knowledge centered around metabolic changes in ruminants in response to nutritional strategies and production systems. We invite original research articles, brief research reports, and reviews covering (but not limited to) ruminant nutrition and production through omics studies, including metabolic profiling, biomarker discovery, target and untargeted omics, omics networking, multi-omics, and other systems biology approaches.

### Guest Editors

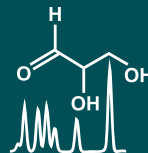
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Dr. Germán Darío Ramírez-Zamudio

Prof. Dr. Romana Turk

### Deadline for manuscript submissions

closed (25 May 2025)



## Metabolites

an Open Access Journal  
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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-Universitaria, 41126 Modena, Italy

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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).