

Special Issue

Metabolic Research in Animal Nutrition and Production, 2nd Edition

Message from the Guest Editors

Metabolism—the network of biochemical reactions sustaining life—underpins growth, reproduction, adaptation, and health across species. While metabolic studies have become central to biomedical science, research on the metabolism of farmed animals, particularly *special economic animals* (e.g., fur-bearing animals, deer, rabbits) and *companion animals* (e.g., dogs, cats, horses), remains comparatively limited. Yet, these species are increasingly important in agriculture, veterinary practice, and the broader One Health framework linking animal and human health. This Research Topic seeks to provide a comprehensive overview of recent advances and emerging frontiers in metabolism research in special economic and companion animals. We welcome original research articles, systematic reviews, perspectives, and methodological studies that expand our understanding of metabolism in these species. The article using with LC-MS, NMR, fluxomics will be recommended to the journal as a priority.

Guest Editors

Dr. Tietao Zhang

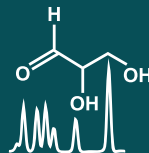
Institute of Special Animal and Plant Sciences, Chinese Academy of Agricultural Sciences, Changchun 130112, China

Dr. Qingkui Jiang

Public Health Research Institute, Rutgers University–New Brunswick, New Brunswick, NJ, USA

Deadline for manuscript submissions

30 September 2026



Metabolites

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 8.1
Indexed in PubMed

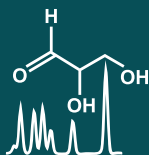


mdpi.com/si/255175

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 4.5
CiteScore 8.1
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 - Q1 (Endocrinology, Diabetes and Metabolism)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.6 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2026).