# Special Issue

## Nutritional and Metabolic Diseases in Animals

### Message from the Guest Editors

Nutrition is highly correlated with animal health and production performance. Nutritional and metabolic diseases that cause harm and loss are second only to epidemic infectious diseases; therefore, more and more studies have focused on this topic in recent years. Metabolites can be used not only as biomarkers for diagnosing and preventing metabolic diseases and precise nutrition requirements but also to analyze nutritional metabolic processes and homeostasis, stress responses, immune reactions, etc.

This Special Issue of Metabolites, "Nutritional and Metabolic Diseases in Animals", is dedicated to dealing with the digestion, absorption, transport, and metabolism of carbohydrates, amino acids, lipids, vitamins, minerals, organic acids, alkaloids, and drugs as well as metabolomics, lipidomics, and the crosstalk between gastrointes-tinal microbiota and the host involved in nutritional and metabolic diseases in animals. This issue is not only intended for results about nutritional and metabolic diseases in domestic animals and in vitro models but is also open to results from cell and animal models for human nutritional and metabolic diseases.

### Guest Editors

Dr. Yanfeng Xue

Dr. Xiliang Du

Dr. Lizhuang Hao

Dr. Chenxu Zhao

### Deadline for manuscript submissions

closed (20 December 2023)

**Metabolites**

**an Open Access Journal by MDPI**

**Impact Factor 3.7**
**CiteScore 6.9**
**Indexed in PubMed**

mdpi.com/si/135803

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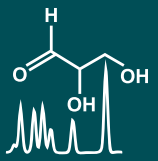


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## About the Journal

### 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
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).