



Nutritional and Metabolic Diseases in Animals

Guest Editors:

Dr. Yanfeng Xue

Dr. Xiliang Du

Dr. Lizhuang Hao

Dr. Chenxu Zhao

Deadline for manuscript
submissions:

closed (20 December 2023)

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 gastrointestinal 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.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Amedeo Lonardo

1. Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda Ospedaliero-Universitaria, 41126 Modena, Italy
2. Formerly Professor of Internal Medicine, School of Specialization of Allergology and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPUS / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Biochemistry & Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

Contact Us

Metabolites Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metabolites
metabolites@mdpi.com
X@MetabolitesMDPI