

Special Issue

Nutrigenomics in Animal Sciences

Message from the Guest Editors

It is well known that nutrients play important roles in regulating animal metabolism and health. Nutrients not only participate in cell metabolism but also modify gene expression. However, the exact molecular mechanism by which nutrients regulate cell metabolism in livestock is still unclear. Therefore, investigating how nutrients modulate animal metabolism and health on the molecular level will help gain a deeper understanding of the role of nutrients in improving animal production and alleviating the incidence of metabolic diseases. The aim of this Special Issue is to gain more knowledge on the effects of nutrients including amino acids, fatty acids, and minerals on animal metabolism and health at the molecular level. For this Special Issue, original research articles and reviews are welcome. I look forward to receiving your contributions.

Guest Editors

Dr. Yusheng Liang

Department of Molecular & Integrative Physiology, University of Michigan, Ann Arbor, MI 48109, USA

Prof. Dr. Juan J. Llor

Mammalian NutriPhysioGenomics, Department of Animal Sciences, Division of Nutritional Sciences, University of Illinois, Urbana, IL 61801, USA

Deadline for manuscript submissions

closed (15 March 2023)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/124184

Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)





Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)



About the Journal

Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, Western Australia 6102, Australia
 2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia
-

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, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)