



animals



an Open Access Journal by MDPI

Nutrient Utilization, Requirements and Nutrigenomics in Sheep and Goats

Guest Editor:

Prof. Dr. Christopher D. Lu

College of Agriculture, Forestry
and Natural Resource
Management, University of
Hawaii at Hilo, Hilo, HI 96720,
USA

Deadline for manuscript
submissions:

15 January 2026

Message from the Guest Editor

Dear Colleagues,

The economic and social impacts of sheep and goat production in the improvement of living standards and alleviation of poverty in rural communities are recognized throughout the world. Understanding nutrient utilization by sheep and goats enhances the efficiency of production systems and maximizes resource economy, and minimizes the carbon footprint. Recent advancements in nutrigenomics have led to improved knowledge on the molecular interaction between nutrients and other dietary bioactives with respect to the genome, effect of food constituents on gene expression, and influence of genetic variation on nutrition and. Such understanding allows optimizing and customizing nutrition with respect to a subject's genotype and offers great potential for a more precise determination of nutrient requirements in sheep and goats. This Special Issue aims to promote better understanding of nutrient utilization and requirements in sheep and goats from the perspectives of traditional nutrition and nutrigenomics.



mdpi.com/si/97397

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
and Animal Sciences, Estonian
University of Life Sciences,
Kreutzwaldi 1, 51014 Tartu,
Estonia
2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, Australia

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 (2023, ranks 10/80 (Q1) in ‘Agriculture, Dairy & Animal Science’; 16/167 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.0.

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)

Contact Us

Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)