

Special Issue

Mitigating Heat Stress in Ruminants: Physiological Impacts and Nutritional Strategies

Message from the Guest Editor

Environmental factors, such as heat stress, have a significant impact on animal productivity. Elevated temperatures and humidity beyond thermal neutral zone negatively affect growth, lactation, and reproduction performance in ruminants, causing economic losses in both the dairy and beef industries. Nutritional modifications have been developed to mitigate the effects of heat stress, and dietary adjustments can also benefit the environment by reducing nitrogen excretion from ruminants. The scope of the current Special Issue focuses on the utilization of nutrients and feed additives to modify physiological status and mitigate heat stress in ruminants during the summer season. We invite you to submit original research papers and review articles to expand our knowledge on the nutritional strategies for mitigating heat stress in ruminants.

Guest Editor

Dr. Wonseob Kim

Department of Animal Resources, Daegu University, Gyeongsan-si 38453, Gyeongsangbuk-do, Republic of Korea

Deadline for manuscript submissions

closed (28 February 2026)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/226343

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)