

## Special Issue

# Nutritional and Management Strategies for Heat-Stressed Ruminants

### Message from the Guest Editor

Global climate change has intensified the frequency and severity of heatwaves, threatening the sustainability and profitability of ruminant livestock production. Prolonged exposure to elevated environmental temperatures compromises feed intake, metabolic efficiency, immune function, and productivity. This Special Issue will advance scientific knowledge on innovative nutritional and management strategies to mitigate the adverse effects of heat stress in ruminant livestock, including beef and dairy cattle. We invite original research and review articles focusing on nutritional interventions, encompassing the use of plant-derived bioactives, probiotics, prebiotics, and precision feeding strategies; electrolyte balance adjustments, dietary energy and protein optimization; and climate-adaptive housing and cooling technologies. Contributions assessing the long-term consequences of prenatal and early-life heat stress, as well as strategies to mitigate transgenerational effects on offspring health and performance, are also highly encouraged.

---

### Guest Editor

Dr. Farhad Ahmadi

School of Agriculture, Food and Ecosystem Sciences (SAFES), Faculty of Science, The University of Melbourne, Melbourne, VIC 3010, Australia

---

### Deadline for manuscript submissions

31 October 2026



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/233965](https://mdpi.com/si/233965)

*Animals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto: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 )