

## Special Issue

# Nutrition, Inflammation and Health Outcomes in Animals

### Message from the Guest Editors

Inflammation is an important defense mechanism of animals against foreign pathogen infections. However, acute or chronic inflammation is like a flame that burns without a spark. It causes harm at all times, and can easily cause common diseases, poor productive performance, and lower the quality of animal products. Examples of these negative effects include mastitis; pneumonia; microbiota crosstalk with diarrhea; intestinal disorders caused by pathogens; coccidiosis; inflammatory bowel disease; colitis; and even fatty liver in long-life breeding animals, cows, and small ruminants. The effective reduction of the occurrence of inflammation is an important strategy to prevent and improve inflammation-related disorders to improve animal health and welfare.

Therefore, as a contribution to this Special Issue, we invite original research papers that address mechanisms of inflammation induced by toxins, environment/heat stress, and nutrient imbalance, as well as disease infection models of poultry, pigs, cows, small ruminants, and laboratory animals. Papers addressing natural infections in companion animals are also welcome.

---

### Guest Editors

Prof. Dr. Vincent Yeong-Hsiang Cheng

Department of Biotechnology and Animal Science, National Ilan University, Yilan 26047, Taiwan

Prof. Dr. Kuo-Feng Hua

Department of Biotechnology and Animal Science, National Ilan University, Yilan 26047, Taiwan

---

### Deadline for manuscript submissions

closed (31 October 2022)



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/96952](https://mdpi.com/si/96952)

*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. 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

---

### 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)