

## Special Issue

# Novel Feed Additives for Poultry Gut Health and Microbiome Modulation

### Message from the Guest Editor

The global poultry industry is at a critical juncture. With the ongoing pressure to reduce antibiotic growth promoters (AGPs) and address antimicrobial resistance, maintaining optimal gut health has become the cornerstone of sustainable and efficient poultry production. This Issue focuses on the evaluation of novel and next-generation feed additives and their impact on the intestinal health of poultry (broilers, layers, turkeys). The core interest lies in understanding how these additives influence the structure and function of the gut microbiome and, in turn, how these modulations translate into measurable improvements in bird health and productivity. We welcome original research articles, reviews, and short communications covering a broad spectrum of innovative interventions, including but not limited to, the following: (1) Novel probiotics, synbiotics, and postbiotics. (2) Phytogetic additives and essential oils. (3) Bacteriophages and their enzymes for pathogen control. (4) Exogenous enzymes and novel prebiotics. (5) Organic acids and functional minerals. (6) Studies on synergistic effects of additive combinations.

---

### Guest Editor

Dr. Yan Liu

Animal Nutrition Institute, Key Laboratory for Animal Disease-Resistance Nutrition of China Ministry of Education, Sichuan Agricultural University, Chengdu 611130, China

---

### Deadline for manuscript submissions

20 January 2027



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/274867](https://mdpi.com/si/274867)

*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)