

## Special Issue

# Health, Nutrition and Productivity: What Is the Connection to the Poultry Gastrointestinal Microbiota?

### Message from the Guest Editor

The bird gut microbiota plays a crucial role in the upkeep of intestinal health through its ability to control host physiological functions required to maintain intestinal homeostasis. This is achieved through the competitive exclusion of detrimental microorganisms and pathogens, which prevents colonization and decreases the expense of energy that birds normally invest in keeping their immune systems active against these pathogens. A healthy intestinal microbiota indicates energy saving for the host, which translates into an improvement in the productive performance of the birds. Genetics, nutrition, management, welfare, etc., all play a role for birds in maintaining optimized performance and ensuring the homeostatic state of the microbiota.

### Guest Editor

Dr. Dima Lynn White

Department of Poultry Science, University of Georgia, Athens, GA 30602, USA

### Deadline for manuscript submissions

closed (15 May 2024)



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/184071](https://mdpi.com/si/184071)

*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)