

## Special Issue

# Impact of Diet Nutritional Quality on Swine Gastrointestinal Health and Growth Performance

### Message from the Guest Editor

Understanding the interactions between nutrition and the immune system is crucial for adjusting nutrient requirements and dietary formulations to optimize swine production efficiency from the early stages. Research areas may include (but are not limited to) the following: health and immune status effects on nutrient partitioning and the nutrient requirements of swine; intestinal health and its effects on swine immunity and nutrition; the toxins and antinutritional factors of common feedstuffs fed to swine; the effects of the physical form of feed on pig performance and health; the impact of stress on nutrient metabolism, gastrointestinal tract development, and different stages of pig production; the potential implications of improved health provided by traditional feed ingredients or alternative ingredients; and microbiome and welfare interactions with swine nutrition and production.

### Guest Editor

Dr. Mayra Anton Dib Saleh

Faculty of Agrarian Sciences and Environment, University of the Azores,  
9700-042 Angra do Heroísmo, Portugal

### Deadline for manuscript submissions

closed (31 July 2025)



## Animals

---

an Open Access Journal  
by MDPI

---

**Impact Factor 2.7**  
**CiteScore 5.2**  
**Indexed in PubMed**



[mdpi.com/si/195598](https://mdpi.com/si/195598)

*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)