

Special Issue

The Role of Nutrition in Enhancing Health and Production Performance in Swine

Message from the Guest Editor

- Nutrient regulation is essential in the modern swine industry, directly affecting pig health and productivity. The optimal provision of protein, carbohydrates, and lipids not only maximizes feed utilization efficiency but also exerts significant influence on carcass composition, lean tissue accretion efficiency, and overall product quality, while concurrently mitigating metabolic disorder incidence. Vitamins and minerals are indispensable for sustaining essential physiological functions, critically mediating immune response modulation, and fortifying disease resistance. The strategic application of functional nutrients serves to enhance intestinal barrier integrity, reduce diarrheal prevalence, and amplify nutrient absorption efficacy. Research in these directions is paramount for implementing precision nutritional frameworks, elevating swine health and production performance, and ensuring sustainable animal agriculture.
- To explore these topics, we announce a Special Issue titled "The Role of Nutrition in Enhancing Health and Production Performance in Swine". Research paper and literature review submissions are welcome.
- We look forward to receiving your contributions.

Guest Editor

Prof. Dr. Dongsheng Che

Key Laboratory of Animal Production, Product Quality and Security, Ministry of Education, Jilin Provincial Key Laboratory of Animal Nutrition and Feed Science, Jilin Provincial Science and Technology Innovation Center of Pig Industry Technology, College of Animal Science and Technology, Jilin Agricultural University, Changchun 130118, China

Deadline for manuscript submissions

30 March 2026



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/246452

Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)