

## Special Issue

# Amino Acid Nutrition for Swine Production

### Message from the Guest Editor

Amino acids (AAs) are crucial components of swine diets, playing vital roles in growth, reproduction, and overall health. With the rising global demand for high-quality pork, optimizing AA nutrition has become paramount for enhancing feed efficiency, improving growth rates, and reducing the environmental impact of swine production. Despite significant advancements in the field, challenges such as accurately determining AA requirements, variability in AA bioavailability from different feed ingredients, and the need for sustainable diet formulations remain. This Special Issue aims to compile cutting-edge research and reviews that can advance our understanding of AA roles for swine production. The multifaceted impacts of AAs on growth, health, feed efficiency, and overall swine productivity should also be explored. By gathering innovative studies and expert insights, this Special Issue seeks to discuss how precise AA nutrition can optimize swine production, enhance animal welfare, and support sustainable agricultural practices. Contributions from researchers, nutritionists, and swine specialists are invited to ensure a comprehensive understanding of AA nutrition.

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### Guest Editor

Dr. Shengfa Liao

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### Deadline for manuscript submissions

closed (31 August 2025)



## Animals

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## 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.

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### Editor-in-Chief

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