

Special Issue

Strategies to Improve Feed Efficiency in Pigs

Message from the Guest Editor

Feed efficiency stands as the cornerstone of profitable and sustainable pig production. While the traditional selection of growth traits has indirectly enhanced feed conversion ratios, the industry now faces unprecedented challenges from volatile ingredient prices, antimicrobial reduction policies, and the pressing need to reduce its environmental footprint. This Special Issue aims to gather research and reviews that explore novel approaches to optimizing nutrient utilization. We seek to move beyond conventional practices by exploring advances in genetics, precision nutrition, feed processing, gut health, and data-driven management, as well as the synergies among them. Key areas of interest include, but are not limited to, the following: application of genomic tools for selecting more efficient animals; formulation of diets using alternative ingredients and functional additives; implementation of feed processing, microbial fermentation, and enzymatic hydrolysis techniques to improve nutrient availability; and use of precision livestock farming technologies to tailor management to individual animal needs.

Guest Editor

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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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