

Special Issue

Nutritional Strategies to Improve Feed Efficiency in Monogastric Animals towards Environmental Sustainability

Message from the Guest Editors

Monogastric animals only have the ability to address a small amount of ingested nutrients to meet their requirements. The rest is excreted and lost, which contributes to nutrient losses and air emissions. Sustainable intensification of livestock production requires increased productivity without adverse environmental impact. To achieve this goal, livestock production systems must necessarily improve their efficiency, namely feed efficiency through animal and feed management, and feed formulation. As an example, nutritional strategies than can enhance nutrient utilization, namely nitrogen (N) and phosphorus (P) utilization, can contribute to the reduction of N and P excretion and associated environmental issues. Precision feeding applications and modeling approaches in poultry, pig and rabbit nutrition can contribute to increased knowledge in this field. Contributions on any related topics, including technical and nutritional aspects, feed management, feed additives and feed formulation applications, in the form of original research papers and literature reviews are welcome in this Special Issue.

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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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