

Special Issue

New Strategies for Efficient Livestock Farming: Nutritional Regulation, Disease Prevention, and Environmental Sustainability Perspectives

Message from the Guest Editor

With the increasing improvement in people's living standards, the demand for animal products of high quality is also increasing. Reasonable nutritional regulation has a positive effect on animal productivity. The occurrence of animal diseases and the use of antibiotics have caused substantial economic losses to farmers. Feed additives with bioactive functions are one of the effective measures to alleviate animal diseases and improve productivity. Regulating the microbiota improves gastrointestinal function, reduces methane emissions, enhances feed utilization efficiency, and promotes sustainable environmental development. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following topics: (1) improving animal productivity by changing feeding methods; (2) the impact of bioactive feed additives on animal health (including molecular mechanism research); and (3) changes in the gut microbiota of animals and effective measures to alleviate methane emissions.

Guest Editor

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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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