

Special Issue

Advances in Nutritional Manipulation of Rumen Fermentation: Second Edition

Message from the Guest Editor

- The rumen is an essential digestive organ in ruminants, containing a numerous amount of complicated microorganisms for fermentation. Scientific and reasonable nutrition manipulation can enhance feed utilization efficiency in ruminants by regulating rumen fermentation, reducing the occurrence of rumen disorders, lowering production costs, mitigating rumen methane emissions, and enhancing the efficiency of ruminant breeding.
- Considering the success of the earlier Special Issue "Advances in Nutritional Manipulation of Rumen Fermentation", we are pleased to launch a second Special Issue on the topic, welcoming original research and review papers that address the latest nutrition manipulation theories, methods, and technologies affecting rumen fermentation, including effects on the rumen microbial structure, improving the efficiency of rumen microbial synthesis and nutrient degradation, preventing rumen acidosis and bloating, promoting rumen tissue development and repair, and reducing rumen methane emission via nutrition manipulation methods. Other topics related to the nutritional manipulation of rumen fermentation are also welcome.

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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