



Dietary Impacts on Ruminal Parameters and Rumen Microbiota

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Message from the Guest Editor

Intestinal microorganisms have been one of the hottest research topics in the last ten years. For livestock animals, intestinal microorganisms are closely related to production performance, antioxidant capacity of the body, immune function, etc. Although the intestinal microbiota composition is closely related to the animal gene composition, dietary modification can still adjust the microbial composition to some extent, change the fermentation characteristics of the rumen, promote the development of the gastrointestinal tract, improve the body's antioxidant capacity and immune function in a direction favorable to farmers, and ultimately improve animal production performance, and even improve meat quality.

This Special Issue focuses on the nutritional regulation of intestinal microbiota composition to improve animal production performance and product quality. Analyzing the mechanism of how dietary changes in gastrointestinal microbiota improve production performance and meat quality through means such as 16s rDNA/metagenomics, metabolomics, and integrated multi-omics analysis. All articles, such as original research, opinions, and reviews, are welcome.





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Message from the Editor-in-Chief

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