



## The Influence of Gastrointestinal Microorganisms on Feed Utilization, Animal Growth and Production Efficiency

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Deadline for manuscript  
submissions:

**closed (25 September 2024)**

### Message from the Guest Editor

Digestive tract microorganisms have a huge impact on dietary nutrient metabolism, animal production, the quality of animal products, and the environment. The microorganisms themselves are simultaneously influenced by nutritional factors and those produced by the animal.

Understanding the complex interactions between microbial groups, feed, and host is essential to optimize digestive tract function, meet the increasing demand for animal products, and reduce the pressure from livestock production on the environment.

It is therefore important to extend our knowledge in this field by including research into the optimization of the activity and composition of the digestive tract in order to reduce nitrogen oxide emissions from protein digestion and reduce methane from fermentation processes in animal feeding systems.

We are seeking original research and review articles on topics such as the following:

Modulating the activity of microorganisms to reduce nitric oxide and methane emissions;

Effects of bioactive compounds on the activity and composition of the microbiota;

Interactions between microbial communities;

Effects of microbial manipulation on animal productivity.





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## Message from the Editor-in-Chief

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