



Feedlot Ruminant Nutrition and Metabolism

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Message from the Guest Editors

Dear Colleagues,

Ruminant production systems are constantly being developed to improve the quality of products from these animals. Consumers have increasingly demanded quality food with good nutritional properties and environmental friendliness. The use of strategies such as feedlot has been an important tool in improving these products, which consequently tends to alter the metabolism of these animals.

Increasing evidence has shown the importance of metabolic changes in feedlot ruminants. The metabolism of feedlot animals is essential to improve the productivity and quality of products. A better understanding of the molecular factors that affect the metabolism of these animals can significantly help to achieve the new goals of producing food of animal origin for the growing demand of the human population.

This Special Issue will seek to expand knowledge centred around the metabolism of feedlot animals and its implications. We invite original research articles, brief research reports, and reviews covering feedlot ruminant using omics studies, metabolic processes, biomarkers, target and untargeted omics approaches, omics networks, multi-omics, and systems biology.





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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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