



Metabolomics Studies in Ruminant Models: Unraveling Nutritional Physiology and Health

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Message from the Guest Editors

This Special Issue focuses on the application of metabolomics in ruminant models to elucidate the intricate relationships between nutrition, physiology, and health. Metabolomics, the comprehensive analysis of metabolites in biological systems, offers a powerful tool to understand how dietary interventions and nutritional status influence metabolic pathways and physiological processes in ruminants.

This Special Issue aims to serve as a valuable resource for researchers, veterinarians, and nutritionists seeking to leverage metabolomic insights to enhance ruminant health and well-being. Through the contributions of leading experts and emerging scholars, we strive to unravel the complex interactions between diet, metabolism, and health in ruminant models, ultimately contributing to more sustainable and efficient livestock production systems.





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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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