

Special Issue

Metabolic and Endocrine Regulation in Ruminants

Message from the Guest Editor

Understanding metabolic and endocrine processes in ruminants is crucial to many processes relevant to production animal productivity and health. Ruminant species are important globally for food (such as milk and meat) and fiber (such as wool) production. Advances are required in our understanding of energy and protein metabolism, endocrine control, metabolic signaling, homeorhetic and homeostatic controls, as well as inflammation and immune responses. This includes the broader areas of nutrition, digestion and digestive physiology, understanding the nutritional states of animals, comparisons between ruminant species, nutritional deficiencies, nutritional supplements and novel feeds, and their impact on metabolism and physiology. Progress in these topics will allow for the further understanding of how ruminants can be supported, such as via genetic selection or nutritional interventions, to ensure that their maximal production capacity can be achieved. In this issue we are seeking contributions that advance ideas in all elements of ruminant metabolism and endocrinology. We welcome the submission of novel research papers and literature reviews.

Guest Editor

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Deadline for manuscript submissions

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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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