

Special Issue

Novel Technologies in Ruminant Nutrition, Reproduction, Health, Production, and Sustainability

Message from the Guest Editors

Ruminants (including cattle, sheep, and goats) are herbivores that consume forages and by-products of plants (e.g., pasture grasses, alfalfa, clovers, hays, straw, silages, wheat middlings, dried distillers grain with solubles from biofuels industry, and soybean hulls). Thus, these animals transform low-quality feedstuffs into high-quality protein and highly bioavailable essential minerals for humans. Thus, ruminant production plays an important role in improving human nutrition, growth and health, and also provides economic and social stability in society. However, ruminant production is affected by a plethora of factors, including nutrition, reproduction, disease, and the environment. These issues are highlighted in this Special Issue, which aims to improve the growth, embryonic survival, lactation, health and adaptation of ruminants to adverse climates in order to enhance the productivity and sustainability of animal agriculture.

Guest Editors

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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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