



animals



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Ruminant Production and Reproductive Performance in Tropical Environments

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Message from the Guest Editors

Climate change poses a major global threat to the agriculture and livestock industries. Ruminants are considered one of the main sources of animal protein and raw materials for other industries. Globally, more than 50% of the cattle and goat populations, nearly 80 % of buffalo, and 30% of sheep are produced in the tropics. Under recent climate change conditions, it is expected that ruminants, especially those in the tropics, will face a yearly increase in heat waves during their lifetimes. This Special Issue aims to collect cutting-edge research presenting innovative solutions to maintain ruminant production sustainability under tropical conditions. These studies should be underpinned by scientific information on the subcellular and cellular responses of animals, their genetic backgrounds regarding resilience, and their tolerance or adaptation to the challenges of a changing climate. We are seeking grazing, feeding, management, and welfare practices as well as assisted reproductive techniques and artificial intelligence-based solutions, either in small or large farming systems, that can improve production, product quality, quantity, and food safety in these areas.



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Special Issue



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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: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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