

Special Issue

Thermal stress— Thermoregulatory and Adaptive Responses of Livestock

Message from the Guest Editors

The thermal environment is the most significant factor determining the growth, reproduction, and performance of domestic animals.

Thermoregulatory responses may differ in intensity and time depending on the type of thermal stimuli, as well as to the specific animal's anatomical characteristics. Short-term physiological responses are often caused by acute stressors like a heat wave, for example, while the long-term responses may be due to chronic stressors. Differences of anatomical and physiological features across species have led to different specialization of heat exchange, leading to distinct thermal tolerance.

We invite original papers (i.e., research articles and review articles) that address the thermoregulatory and adaptive responses of livestock and wild ruminants to thermal stress. The topics of the Special Issue “Thermal stress - Thermoregulatory and adaptive responses of livestock” include thermoregulation, adaptive behaviour, cellular responses, reproduction and health, performance under thermal stress, acclimatization, and adaptation.

Guest Editors

Prof. Dr. Alfredo Manuel Franco Pereira

Dr. Cristiane Gonçalves Titto

Prof. Dr. Ana Geraldo

Prof. Dr. Henrique Hooper

Deadline for manuscript submissions

closed (15 December 2021)



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About the Journal

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.

Editor-in-Chief

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