



Thermal stress—Thermoregulatory and Adaptive Responses of Livestock

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Deadline for manuscript
submissions:
closed (15 December 2021)

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.





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Message from the Editor-in-Chief

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