

Special Issue

Livestock and Heat

Message from the Guest Editor

Agriculture is the global heartbeat, yet climate change and environmental instability are threatening its rhythm. As our environment becomes hotter and drier, the future success of global agriculture will depend on its resilience and adaptation to more variable environmental factors. Our livestock currently provide food, clothing, fuel, nutrients for soils, employment, and income. Climate change threatens this provision, as heat stress markedly reduces production, weight gain, fertility, and the welfare of our livestock while, at the same time, increasing the incidence of illness, parasite burden, and, in extreme cases, mortality. Compounding the issue, focused selection on production traits has come at the expense of heat tolerance. Submissions are welcome relating, but not limited to, advances in the monitoring of livestock heat tolerance, genetic selection for livestock heat tolerance, and the mitigation of livestock heat stress through nutrition or other forms of management.

Guest Editor

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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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