

Special Issue

Climate Genomics for Farm Animal Adaptation

Message from the Guest Editor

Climate change affects livestock welfare and production efficiency. As mean temperatures increase, precipitation patterns are forecast to change, and acute weather-related events are expected to increase in frequency. Feed availability cycles and the endemic range of pathogens and vectors may be altered. Adaptation of livestock production systems to climate change will necessitate modifications in housing, feeding and health care, and matching the animal genetic resources to the environment will also be critical. Genomics will be a powerful tool in the characterization of genetic resources with respect to climate change and for the formulation of strategies for adaptation. Provision of the proper genetics and genomics information to livestock keepers must be based on solid research that has been validated and disseminated widely. Scientists undertaking work on livestock genetics are invited to submit their research to this Special Issue titled “Climate Genomics for Farm Animal Adaptation”: genomics and epigenetics studies pursuing an understanding of the molecular basis of adaptation.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2023)



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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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