Special Issue

Genomic Prediction in Livestock

Message from the Guest Editor

Genomic prediction is the process of using genetic data to predict an individual's phenotype, which has been implemented in many livestock breeding processes to increase genetic gain and accelerate the breeding process. This Special Issue will focus on papers related to recent progress on genomic prediction, specifically in livestock, including swine, cattle, goat, and sheep. Topics may include new knowledge of genomic prediction of economic traits, applications of multi-omics data and machine learning algorithms in genomic prediction, and novel methods of genomic prediction (such as multi-trait genomic prediction). In this Special Issue, original research articles and reviews are welcome.

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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