

Special Issue

The Role of Genetics and Breeding in Livestock Management

Message from the Guest Editors

Genetic selection and breeding of farm animals are powerful strategies for increasing the quantity and quality of animal products, as well as animal welfare, efficiency, and sustainability of livestock production. This Special Issue calls for contributions addressing original research and comprehensive reviews related to topics focusing on but not limited to the following: the use of breeding values and genomic predictions in making selection and management decisions, the creation of selection indices and mating plans, the use of predictive analytics and AI to assist farmers in making strategic decisions, and the use of genetic selection as a tool to improve animals' resilience and adaptability to specific environments and management practices.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)



Animals

an Open Access Journal
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Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/197023

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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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