

Special Issue

Breeding, Genetics, and Genomics of Livestock Species

Message from the Guest Editor

This Special Issue delves into the intricate world of animal husbandry, focusing on breeding methodologies, genetic advancements, and the application of genomics in farm animal management. This Special Issue explores the latest research and innovations for enhancing desirable traits in livestock, improving breeding programs' efficiency, and ensuring sustainable production practices. From selective breeding to the utilization of cutting-edge genomic tools, contributors of this Special Issue shed light on the multifaceted approaches shaping the future of the breeding system. Through comprehensive analysis and case studies, this Special Issue navigates the complexities of genetic selection, molecular genetics, and genomic selection strategies, offering insights crucial for optimizing livestock productivity, health, and welfare in the evolving landscape of modern farming.

Keywords

- animal genetics
- genomics
- animal production
- product quality
- fertility
- health
- coat color
- molecular traceability

Guest Editor

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Deadline for manuscript submissions

20 October 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.1



mdpi.com/si/230148

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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