

Special Issue

Breeding, Genetics and Genomics of Farm Animals

Message from the Guest Editor

"Breeding, Genetics and Genomics of Farm Animals" 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 to enhance desirable traits in livestock, improve breeding programs' efficiency, and ensure sustainable production practices. From selective breeding to the utilization of cutting-edge genomic tools, contributors shed light on the multifaceted approaches shaping the future of the breeding system. Through comprehensive analysis and case studies, this issue navigates the complexities of genetic selection, molecular breeding, and genomic selection strategies, offering insights that are crucial for optimizing livestock productivity, health, and welfare in the evolving landscape of modern farming.

Guest Editor

Dr. Enrico D'Alessandro

Department of Veterinary Sciences, University of Messina, Via Palatucci, 98168 Messina, ME, Italy

Deadline for manuscript submissions

closed (25 October 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/202531

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)