

Special Issue

Advances in the Genetic Improvement of Farm Animals Using Genomic Tools

Message from the Guest Editor

The genetic improvement of farm animals is a branch of applied genetics. Authors are invited to contribute to this forthcoming Special Issue. The articles should be original research, reviews or perspectives, including but not limited to the following: 1. Novel approaches and methodologies for implementing genomic selection in breeding programs in farm animals and applications of genomic prediction in animal husbandry; 2. Selective breeding objectives to improve desirable traits; 3. The identification and management of genetic diseases within animal populations; 4. Exploration of cutting-edge genomic technologies; 5. Maintaining genetic diversity within animal populations, prevention of inbreeding depression, genetic management and conservation of breeds/ populations; 6. The contribution of genetic improvement to address the challenges to animal production posed by climate change; 7. The impact of genomic animal selection practices on the environment and the evaluation of the role of genetic improvement in promoting sustainable animal production; 8. Ethical issues related to the genetic manipulation of farm animals.

Guest Editor

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Deadline for manuscript submissions

10 November 2025



Agriculture

an Open Access Journal
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Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/203633

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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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Prof. Dr. Les Copeland

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