

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

Dr. Panagiota Koutsouli

Laboratory of Animal Breeding and Husbandry, Department of Animal Science, Agricultural University of Athens, 75 Iera Odos, GR11855 Athens, Greece

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

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
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