



Advances in the Genetic Improvement of Farm Animals Using Genomic Tools

Guest Editor:

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Deadline for manuscript submissions:

30 October 2024

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.





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Message from the Editor-in-Chief

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