Special Issue on Animal Breeding and Genetics

Call for Papers

"Animal Breeding and Genetics" is an academic research topic that focuses on the genetic improvement of domesticated animals for agricultural or commercial purposes. It involves the study of animal breeding techniques such as selective breeding, crossbreeding, and genetic engineering in order to develop desirable traits in domesticated animals. These traits may include improved meat quality, reproductive ability, disease resistance, or efficiency in food production. In order to achieve these goals, animal breeders and geneticists use a variety of molecular and statistical tools to analyze genetic data and develop breeding strategies that optimize desired traits in animal populations. Ultimately, the goal of animal breeding and genetics is to produce healthier, more productive and profitable animals for human use.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on **Animal Breeding and Genetics**. Potential topics include, but are not limited to:

- Genetics of animal health and disease
- Statistical modeling and methods
- Molecular genetics and bioinformatics
- Quantitative genetics with applications
- Gene expression and regulation
- Genomic selection
- Optimized breeding strategies
- Genetically modified organisms
- Genomic prediction in animals
- Phylogenetic analysis
- Genetic diversity, conservation, and utilization
- Sustainable livestock production
- Biotechnology in genetics and reproduction
- Genetic improvement of economic traits
- Population genetics and evolution

Authors should read over the journal's For Authors carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's Paper Submission System.

Please kindly notice that the "**Special Issue**" under your manuscript title is supposed to be specified and the research field "**Special Issue – *Animal Breeding and Genetics***" should be chosen during your submission.

According to the following timetable:

Submission Deadline	August 14th, 2023
Publication Date	October 2023

For publishing inquiries, please feel free to contact the Editorial Assistant at submission.entrance1@scirp.org

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