Special Issue

Application of Genomic Technologies in Pig Genetics and Breeding

Message from the Guest Editors

Genomic technologies have enabled pig breeders to make more informed decisions, improving the efficiency and effectiveness of breeding programs, by providing more precise and efficient methods for improving genetic traits. They help in breeding pigs that are more productive, healthier, and better adapted to their environment, ultimately contributing to the sustainability and profitability of the pork industry. Therefore, we are pleased to invite contributors to submit original research concerning studies identifying genetic variations associated with economic traits. Particularly welcome are methods that use genetic information from a large number of markers across the genome to predict the genetic value of an individual, technologies like CRISPR-Cas9 that enable precise modification of the pig genome, and technologies that analyze the expression of genes and proteins, and so forth. We aim to increase the knowledge around the genetic mechanisms underlying economic traits and genomic or AI breeding technologies, thus contributing to pig breeding. In this Special Issue, original research articles and reviews are welcome. We look forward to receiving your contributions.

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Deadline for manuscript submissions

closed (20 February 2025)

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

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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.

Editor-in-Chief

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