

Special Issue

Conservation, Innovation, and Genetic Analysis of Pig Germplasm Resources

Message from the Guest Editors

The aim of this Special Issue is present current high-quality research on the conservation of indigenous pig breeds, genetic analysis of different adaptive traits including growth rate, meat quality, and disease resistance, innovative utilization of pig germplasm resources. With increasing challenges in biodiversity loss, understanding the genetic diversity, adaptive traits, and breeding potential of pig germplasm resources is crucial to develop pig industry. This special issue welcomes studies on multi-omics analyses, including genomics, transcriptomics, proteomics, metabolomics, epigenomics, and microbiomics, for characterizing pig genetic resources. This special issue also welcomes the application of biotechnology and information technology to study pig germplasm resources. The contributions of this special issue will support the swine research community in exploring the genetic dissection of complex traits, while advancing cryopreservation, reproductive biotechnologies, and genomic selection methods for pig industry in the future.

Guest Editors

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