Advances in Pig Breeding and Genetics

Guest Editors:

Dr. Linyuan Shen
College of Animal Science and Technology, Sichuan Agricultural University, Chengdu 611130, China

Dr. Mailin Gan
College of Animal Science and Technology, Sichuan Agricultural University, Chengdu 611130, China

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closed (25 August 2023)

Message from the Guest Editors

Dear Colleagues,

With various novel technology applications, the genetic improvement of pigs has rapidly progressed over recent decades. Nowadays, more and more economically relevant traits were expanded as breeding goals. Over the past few decades, there has been a rapid development of high-throughput genome and cell molecular biology methods, the processes of identification of genes related to important phenotypic traits and genetic markers for pig selection have been significantly discovered, leading to the development of fast, cost-effective, and more accurate methods for the implementation of breeding programs. For this Special Issue, we call for papers covering all aspects of pig genetics and phenotypes are welcome, especially with a focus on quantitative genetics of new phenotypes, artificial intelligence linking phenotypes, genomic selection, breeding programs, gene polymorphisms, quantitative trait loci mapping, identification of genetic regulatory mechanism and causative mutations affecting economically relevant traits, and the exploitation of native pig genetic resources.

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Special Issue

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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