

Special Issue

Genetic Diversity and Population Structure of Local Pig Breeds

Message from the Guest Editors

In recent years, there has been growing awareness of the importance of local breeds in terms of adaptive traits, as a reservoir of valuable genetic variation with potential for more sustainable added-value oriented pork production.

Molecular DNA markers such as microsatellites, SNPs, CNVs, and retrotransposons are used to investigate the genetic basis of traits, supplying support to phenotypic evaluation and genealogical data analysis. The collection of phenotypic data and different genomic approaches such as high-throughput genome analysis methods and single-nucleotide polymorphism genotyping can be used to investigate the genetic basis of inheritance, QTLs, new phenotypes, genomic selection, and breeding programs.

This Special Issue will focus on recent research or reviews that investigate novel approaches and/or technologies used to identify relevant new phenotypes, as well as implement all aspects of pig genetics and genomics. Research or reviews with a focus on new phenotypes, genomic selection, breeding programs, QTLs, and breed conservation are also welcome.

Guest Editors

Dr. Enrico D' Alessandro

Department of Veterinary Science, University of Messina, 98168 Messina, Italy

Dr. Cai Chen

College of Animal Science and Technology, Yangzhou University, Yangzhou, China

Deadline for manuscript submissions

closed (20 June 2023)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/139446

Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)





Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)



About the Journal

Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)