

## Special Issue

# Pig Domestication, Ancestry and Evolution: A Genomic Approach

### Message from the Guest Editor

The impact of domestication on the genetic variability of modern livestock species like pig breeds is widely explored due to the availability of cutting-edge technologies. The genotyping and sequencing technologies have allowed for the application of genomics techniques not only in pig breeding, but also in population genomics studies of this species. Combining genome-wide ancient and modern DNA analysis has provided a powerful new tool for the examination of past populations and migrations. Investigating demography, admixture between breeds of different origin or ancestors, inbreeding and direct or indirect anthropogenic selection allows us to decode the complex genetic background of this important farm animal. Interpreting these genetic signatures is a key feature to the deeper understanding of various aspects of the genetics of pigs. The aim of this Special Issue is to provide new insights about the ancestry, evolution, and effects of domestication on shaping modern pig breeds from a genomic point of view. State-of-the-art research and reviews about this topic are greatly encouraged to submit with the purpose of revealing the complex genetic history of this species.

### Guest Editor

Dr. Arianna Manunza  
National Research Council - IBBA, Milan, Italy

### Deadline for manuscript submissions

closed (31 August 2022)



## Animals

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## 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.

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### Editor-in-Chief

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