

## Special Issue

# Genetic Diversity and Conservation of Local Poultry Breeds

### Message from the Guest Editors

Animal genetic resources are crucial for ensuring global food security and ecological balance, and their conservation and effective use are vital for sustainable agricultural development. As an important component of animal husbandry, the poultry industry provides an abundant source of meat and eggs that carry significant economic value and ecological significance. However, due to environmental changes and genetic erosion, some valuable genetic resources have become extinct or are on the brink of extinction. Today, advances in biotechnological tools, such as whole-genome resequencing, DNA microarray, primordial germ cell in vitro culture technology, and gene banks have greatly accelerated our understanding of the genetic diversity and molecular evolution of local poultry breeds and have contributed to the accurate identification and conservation of these breeds. We warmly invite you to contribute any novel findings or insights related to the genetic diversity and conservation of local poultry breeds.

### Guest Editors

Dr. Bolin Cai

Prof. Dr. Xiquan Zhang

Dr. Zhijun Wang

### Deadline for manuscript submissions

31 October 2025



## Animals

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### 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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