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

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