

Special Issue

Advances in Genetic Analysis of Important Traits in Poultry

Message from the Guest Editor

This Special Issue focuses on the latest advancements in genetic research, aiming to understand and improve important traits in poultry, including growth, reproduction, disease resistance, and product quality. With the rapid development of genomic technologies such as single-cell RNA sequencing, genome-wide association studies (GWASs), and CRISPR-based gene editing, significant progress has been made in identifying key genes, regulatory pathways, and molecular mechanisms underlying these traits. This Special Issue invites original research articles, reviews, and methodological studies that explore the genetic basis of poultry traits, the application of genomic tools in breeding programs, and the integration of multi-omics approaches to enhance poultry production and welfare. By highlighting cutting-edge research, this Special Issue aims to provide a comprehensive resource for scientists, breeders, and industry stakeholders to advance genetic improvement strategies and address challenges in sustainable poultry farming.

Guest Editor

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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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