Advances in Poultry Genetics and Breeding

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Deadline for manuscript submissions:
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Message from the Guest Editors

Poultry genetics and breeding is a rapidly changing field, and quantitative, population, and molecular genetic approaches have been utilized to elucidate the biological mechanisms of economically important traits in poultry over the past few decades. In recent years, cutting-edge genetic and genomic technologies, such as next-generation sequencing and omics applications, have facilitated our understanding of the mechanism of complex traits in poultry, including feed efficiency, meat and egg quality, and disease resistance. Genomic selection has been widely studied and applied in breeding improved layers and broilers. Gene editing is valuable for characterizing gene function and will be a future challenge in poultry breeding.

This Special Issue aims to highlight recent advances in poultry genetics and breeding in various fields. Broad topic areas include phenomics, genetics, genomics, functional genomics, metabolomics, omics data application, gene editing, genomic selection, genetic evaluation, and genomic prediction in poultry. Contributions by experts in the field in the form of research papers and critical reviews are invited.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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