

Special Issue

Genetic Breeding of Poultry

Message from the Guest Editor

In order to meet people's living needs, millions of poultry are raised worldwide for meat and egg production annually, making it crucial to develop the genetic improvement and breeding processes in the poultry industry. In the process of breeding, the selection of genes and variants associated with the traits of interest is particularly important. These can include disease resistance, growth traits, and reproductive performance. Multi-omics analysis can be used to explore the biological functions and molecular mechanisms of key genes and their regulation. Appropriate breeding methods can significantly improve production potential. Stem cell technology and molecular breeding have an increasing role to play in the modern poultry industry. This Special Issue will present the latest research related to poultry breeding and will cover various aspects, providing a variety of solution strategies for the improvement of the poultry breeding process.

Guest Editor

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Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

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