

## Special Issue

# Genomic Technology Applied to Poultry Research

### Message from the Guest Editors

Poultry has been farmed in all environments and farming systems, which explains its extremely high spectrum of genetic variability. On the one hand, genetic selection led to the development of specialized, highly efficient genetic lines. However, on the other hand, there are still plenty of heritage breeds that are well adapted to local environments and carry unique genetic makeups. In this Special Issue, we focus on various aspects of molecular research applied to gallinaceous poultry and waterfowl. The scope of this Special Issue addresses molecular pathways involved in avian physiology and adaptation. We invite reports that elucidate the genetic underpinnings of complex traits, such as resilience, efficiency, and sustainability. An array of molecular techniques and research approaches are appropriate, including sequencing, transcriptomic and proteomic datasets, and gene expression regulation by environmental or epigenetic factors, as well as gene association studies. In summary, we aim to create a platform for the most up-to-date advances in the field of genetic research applied to poultry.

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### Guest Editors

Dr. Maria Siwek

Dr. Anna Slawinska

Dr. Aleksandra Dunisławska

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### Deadline for manuscript submissions

closed (30 November 2020)

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## Genes

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### Message from the Editor-in-Chief

*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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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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