

Special Issue

Molecular Genetics in Livestock Production and Disease Resistance

Message from the Guest Editor

Since the need for food is anticipated to grow significantly in the coming decades, knowledge of animal health and production is becoming more important. To enhance the production techniques and boost performance, it will be necessary to have a greater understanding of the structure and function of animal genomes as well as how they interact with non-genetic elements of production systems (such as diet and the environment). Lately, a large portion of animal genomics research has been devoted to animal genomes sequencing, identifying and cataloguing sequence variants from individual animals, and evaluating genomic variation to select for expected genetic differences in attributes. Additionally, genome editing technologies have added a novel promising research dimension to the existing animal breeding programs. In farm animal production, we are still in the early phase of exploring and improving their genetic potential. The purpose of the current Topic is to promote submissions of high-quality research papers in the areas of molecular genetics concerning animal health and production.

Guest Editor

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Deadline for manuscript submissions

closed (25 May 2023)

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About the Journal

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?

Editor-in-Chief

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