

Special Issue

Livestock Genetic Breeding and Quantitative Genomics

Message from the Guest Editor

Livestock breeding has been successful at delivering genetically improved material for multiple traits based on recurrent cycles of selection, mating, and testing. Genetic dissection approaches have been ongoing to effectively drive operational genome enabled selection. The convergence of high-throughput genomics and quantitative genetics has established new paradigms that are changing contemporary breeding dogmas. In light of a recent advance in livestock genetic breeding and quantitative genomics research, we invite you to review the main concepts, analytical tools, and remaining challenges that currently underlie the application of genomics data to livestock breeding, also providing new opportunities to enhance the application of genomics to breeding.

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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