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Genetics and Genomics Applied to Livestock Production

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Message from the Guest Editor

Dear Colleagues,

Genetics and genomics applied to livestock has transformed animal production in the past decades. Still, there is a lot of work ahead. The demand for animal products is rising with a growing global population. At the same time, livestock industries face the challenges imposed by climate change. The environmental footprint of livestock production is of great concern. In the near future, livestock systems will have to produce more while mitigating its impact. A more efficient industry, in terms of water use, nitrogen fixation, and off-setting greenhouse gas emissions has a future. Some animals are naturally more efficient than others, due to favourable genetics. This Special Issue in *genes* on “Genetics and Genomics Applied to Livestock Production” will highlight how genomics technologies are paving the way to improve livestock systems, address environmental and animal welfare concerns. The Issue will provide an overview of recent developments in this field of research, including critical perspectives on current and upcoming challenges.



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Special Issue



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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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