

## Special Issue

# Application of Genetics and Genomics in Livestock Production

### Message from the Guest Editors

The delivery of genome sequences for most livestock species over the past 10–15 years has generated the potential to revolutionise livestock production globally, by providing farmers with the ability to match individual animals to rapidly changing climates, production systems and markets. The technology that has had the greatest impact to date is genomic selection. However, genomic selection also faces ongoing limitations around lack of essential phenotypes, particularly for expensive or difficult-to-measure traits and possibly the need for faster/greater computational capacity. It is therefore timely to examine the impact of genomic technologies generally, and to identify successes and limitations that need to be overcome in order to achieve practical applications for livestock producers in future. This Special Issue therefore invites submissions addressing any of the -omics approaches (including phenomics) with the aim of summarising the successes, failures, limitations and ongoing challenges to deliver technologies that can be directly applied by livestock producers in both developed and developing countries.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 December 2022)



## Agriculture

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### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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