

Special Issue

Research on Genetics and Breeding of Cattle

Message from the Guest Editor

The genetic improvement of cattle is critical for enhancing productivity, reproductive efficiency, and adaptability to evolving environmental conditions. This Special Issue highlights recent advances in the genetics and breeding of cattle, with an emphasis on cutting-edge innovations in reproductive genetics and biotechnology. We welcome submissions exploring diverse topics, including genomic selection, reproductive genetics, assisted reproductive technologies, genetic diversity conservation, and the integration of biotechnology into breeding programs. Studies investigating the molecular mechanisms underlying fertility and reproductive health, as well as the application of biotechnologies to address emerging challenges in cattle production, are strongly encouraged. This Special Issue aims to foster a deeper understanding of the intersection between genetics, reproduction, and biotechnology, advancing sustainable and efficient cattle breeding practices.

Guest Editor

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Deadline for manuscript submissions

closed (5 March 2026)

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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?

Editor-in-Chief

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