



## Advanced Research on Cattle Breeding: Genetic and Genomic Approaches

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### Message from the Guest Editor

In an era shaped by the imperatives of climate change and driven by the ambitious targets outlined in the European Green Deal, the global pursuit of producing safe and premium-quality food has entered a pivotal phase. Our response to this challenge necessitates a paradigm shift, with a primary focus on the integration of innovative genetic and genomic technologies in animal breeding. This Special Issue serves as a conduit for research positioned at the intersection of climate-resilient agricultural practices, the sustainability benchmarks set by the European Green Deal, and the transformative influence of modern genetic and genomic techniques in animal breeding. In this context, agricultural and livestock structures emerge as cornerstones, requiring sophisticated designs that align with environmental stewardship, landscape preservation, and the pursuit of sustainable practices. The key for achieving the desired outcomes lies in the incorporation of advanced genetic and genomic technologies, with precision mechanization facilitated by cutting-edge computational models and automation systems.





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## Message from the Editor-in-Chief

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