



genes



an Open Access Journal by MDPI

Research on Genetics and Genomics of Cattle

Guest Editor:

Dr. Hanfang Cai

Henan Innovative Engineering
Research Center of Poultry
Germplasm Resource, College of
Animal Science and Technology,
Henan Agricultural University,
Zhengzhou, China

Deadline for manuscript
submissions:
closed (20 May 2024)

Message from the Guest Editor

Dear Colleagues,

Cattle are the most widespread species of large ruminants. They have incredibly high economic value and provide us with meat, milk, leather, and other useful products. With the development of biotechnology, molecular biology, genetics, and bioinformatics, multi-omics approaches are commonly used to reveal the mechanisms underlying bovine milk performance, reproductive traits, beef quality, growth traits, disease resistance, and other important traits from the DNA level (such as polymorphisms and chromosome modification), RNA level (ncRNA, alternative splicing, and RNA modification), and protein level (protein phosphorylation and acetylation). However, much of their detailed regulatory mechanism is unknown. *Genes* is now inviting submissions for a Special Issue on the topic of “Genetics and Genomics of Cattle”. Research articles, reviews, short communications, brief reports, and other forms of original articles on this topic are all welcome. Your contribution will open new avenues to discover the theoretical and practical aspects of cattle phenotype traits and provide valuable information for cattle breeding projects.



mdpi.com/si/162443

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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?

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (*Genetics & Heredity*) / CiteScore - Q2 (*Genetics (clinical)*)

Contact Us

Genes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](#)