

Special Issue

Genetics and Genomics of Sheep and Goat

Message from the Guest Editors

Sheep and goat species diverged about 4 million years ago, and were the earliest domesticated animals with economic and nutritional value. As a result of natural and artificial selection over a long period of time, there are now nearly 2,000 species of sheep and goats in the world. In recent years, with the development of the sheep and goat genome, the most important questions related to the promotion of biological research and breeding of these important animals are highly relevant topics of inquiry; this includes the exploration of the genetic basis of important production traits in sheep and goats, and the functional anatomy of key genes.

To this end, this Special Issue invites research articles, reviews, and short communications that include, but are not limited to, the following: genetics analysis and improvements in breeding the important traits of sheep and goats, molecular function dissection, gene regulation mechanisms, gene family evolution, expression regulation networks, and other studies of sheep and goats using high-throughput data.

Guest Editors

Dr. Yan Xiong

1. Key Laboratory of Qinghai-Tibetan Plateau Animal Genetic Resource Reservation and Utilization, Ministry of Education, Southwest Minzu University, Chengdu 610041, China
2. Key Laboratory of Qinghai-Tibetan Plateau Animal Genetic Resource Reservation and Utilization, Southwest Minzu University, Chengdu 610041, China
3. College of Animal & Veterinary Sciences, Southwest Minzu University, Chengdu 610041, China

Prof. Dr. Yaqiu Lin

1. Key Laboratory of Qinghai-Tibetan Plateau Animal Genetic Resource Reservation and Utilization, Ministry of Education, Southwest Minzu University, Chengdu 610041, China
2. Key Laboratory of Qinghai-Tibetan Plateau Animal Genetic Resource Reservation and Utilization, Southwest Minzu University, Chengdu 610041, China
3. College of Animal & Veterinary Sciences, Southwest Minzu University, Chengdu 610041, China

Deadline for manuscript submissions

closed (20 December 2024)

G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



mdpi.com/si/169197

Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



About the Journal

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

Prof. Dr. Selvarangan Ponnazhagan
Department of Pathology, The University of Alabama at Birmingham,
1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

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 and Heredity) / CiteScore - Q2 (Genetics (clinical))