

## Special Issue

# Genetic Mechanism Analysis and Application of Important Economic Traits in Sheep and Goats

### Message from the Guest Editors

The Special Issue aims to show new advances and insights in sheep and goat genetics and breeding. Research on all aspects of sheep and goat genetics, breeding, and reproduction will be considered, including studies on reproductive biotechnology, and the regulatory role of genes in traits using different approaches, such as molecular or genomics methods. All the studies could help researchers to reveal the principles of genetics, development, and evolution and could also help breeders in designing and improving breeding approaches to increase productivity in sheep or goats. This Special Issue aims to collect new advances and insights into genetic mechanism analysis and the application of important economic traits in sheep and goats. We also hope the findings of this Special Issue will help to elucidate the molecular mechanisms underlying the formation of economic traits and provide approaches to improve the production of sheep and goats. We welcome the submission of multiple article types, such as original research articles, short communications, reviews, methods, etc.

---

### Guest Editors

Dr. Xiaoyun He  
Dr. Zhangyuan Pan  
Dr. Xiangyu Wang

---

### Deadline for manuscript submissions

closed (5 December 2023)

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/152500](https://mdpi.com/si/152500)

*Genes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[genes@mdpi.com](mailto: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  
Experimental Cancer Therapeutics, 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))