

## Special Issue

# Technological and Statistical Advances in Breeding and Genetics of Sheep and Goat

### Message from the Guest Editors

The sheep and goat industry stands on the brink of transformative advancements in breeding and genetics, poised to revolutionize productivity, health and welfare, and sustainability. This Special Issue entitled "Technological and Statistical Advances in Breeding and Genetics of Sheep and Goat" endeavors to encapsulate the latest research and innovative strategies shaping the genetic landscape of these invaluable livestock species. This Special Issue will explore a spectrum of genetic improvement efforts, encompassing cutting-edge tools and technologies, such as genomic selection, marker-assisted breeding, gene editing, novel phenotyping on production, health and welfare characteristics, and the preservation of genetic diversity crucial for resilience and adaptability. We invite contributions that delve into the genetic mechanisms underlying desirable traits, the application of state-of-the-art genomic tools technologies, and the ethical considerations surrounding genetic enhancements in sheep and goat breeding programs.

### Guest Editors

Dr. Christos Dadousis

1. School of Health Sciences, Faculty of Health and Medical Sciences, University of Surrey, Guildford GU2 7YH, UK  
2. Veterinary Health Innovation Engine, School of Veterinary Medicine, University of Surrey, Kate Granger Building, Manor Park, Priestley Rd, Guildford GU2 7YH, UK

Dr. Isidoros Karagiannis

Clinic of Farm Animals, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, St. Voutyra 11, 54627 Thessaloniki, Greece

### Deadline for manuscript submissions

10 April 2026



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/220508](https://mdpi.com/si/220508)

*Animals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto:animals@mdpi.com)

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





# Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Animals* is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

---

### Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

---

### 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, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

#### Journal Rank:

JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)