

## 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

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### Deadline for manuscript submissions

closed (10 April 2026)



## Animals

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## 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.

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