

Special Issue

Animal Transgene and Gene Editing Technologies: Applications and Future Perspectives

Message from the Guest Editors

This Special Issue aims to showcase cutting-edge research on the design, application, and implications of genetic engineering in animals, including insects. We seek to publish interdisciplinary studies that bridge technical innovation with real-world impact while addressing societal concerns. We invite original research, reviews, and case studies that advance the field. We invite contributions on, but not limited to, the following topics: Technology Development: Novel gene-editing tools (e.g., CRISPR variants, epigenetic editing), delivery systems (e.g., viral vectors, nanoparticles), and strategies to improve efficiency/specificity. Agricultural Applications: Genetic improvements in livestock (e.g., disease-resistant pigs, heat-tolerant cattle) and aquaculture (e.g., fast-growing fish), with emphasis on welfare and sustainability. Wildlife and Conservation: Gene drives for invasive species control, genetic rescue of endangered populations, and ethical debates. Societal Implications: Regulatory policies, public perception, animal welfare considerations, and global disparities in technology adoption. We look forward to receiving your contributions.

Guest Editors

Dr. Rui Guo

Dr. Jianfeng Qiu

Dr. Xueling Xu

Deadline for manuscript submissions

20 January 2026



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/240906

Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)