

## Special Issue

# Emerging Trends in Viral Pathogens of Swine: Insights from Surveillance, Persistence, and Control Strategies

### Message from the Guest Editors

The swine industry consistently encounters challenges from viral pathogens, which can greatly affect animal health and productivity. Moreover, emerging and re-emerging swine diseases pose a continuous threat to human health. A deeper understanding of viral factors, their interactions with host cells, and the host immune response is essential for uncovering disease mechanisms, including how viruses adapt to new host species.

Additionally, robust disease surveillance, along with the development of efficient vaccines and antiviral therapies play a crucial role in early detection and prevention. This topic invites original research that advances knowledge in swine viral diseases, molecular virology, viral evolution, innovative molecular and immunological diagnostic tools, and novel platforms for vaccine development to control swine viral infections and prevent their spillover to other animals, including humans.

---

### Guest Editors

**Dr. Mrigendra Rajput**

Richard A. Gillespie College of Veterinary Medicine, Lincoln Memorial University, Harrogate, TN 37752, USA

**Dr. Neeraj Singh**

College of Veterinary Medicine, Oklahoma State University, Stillwater, OK, USA

---

### Deadline for manuscript submissions

closed (15 April 2025)



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/216854](https://mdpi.com/si/216854)

*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. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, Western Australia 6102, Australia
2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, 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 )