

## Special Issue

# Advances in Pig Semen Preservation and Evaluation

### Message from the Guest Editors

Boar semen quality is crucial for artificial insemination. It is affected by factors like housing, environment, nutrition, and diseases, requiring best practices and management to maintain and improve. Preserving fresh and frozen semen is also essential for transport from boar stations to farms and for international export of superior genetics. Bacterial contamination during collection is the main source of contaminated semen necessitates antibiotics in semen extender. However, antibiotic resistance raises significant food safety and One Health concerns, highlighting the need for antimicrobial proteins and alternatives.

The Special Issue focuses on: fresh boar semen preservation; cryopreservation; new techniques for semen evaluation; oxidative stress and antioxidants; semen extender development; alternatives to antibiotics; housing and environmental management; and boar management.

Original research articles and reviews are welcome. Research areas may include, but are not limited to:

- Reproductive physiology;
- Mycotoxins and semen quality;
- Feed supplementation and semen quality;
- In vitro fertilization.

We look forward to receiving your contributions.

### Guest Editors

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### Deadline for manuscript submissions

20 March 2026



## Animals

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Impact Factor 2.7  
CiteScore 5.2  
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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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### Editor-in-Chief

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