

Special Issue

Advances, Challenges and Future of Porcine Artificial Insemination

Message from the Guest Editors

This Special Issue aims to highlight current research addressing key challenges in the development and improvement of reproductive techniques in pig production. A brief, non-exhaustive list of these topics includes:

- Improvement techniques to synchronize sow ovulation with insemination.
- Advances in boar semen storage in refrigeration without the presence of antimicrobial chemical agents.
- Utilization of genetic factors linked to semen fertilizing ability within the current genetic selection programs.
- Analysis of mechanisms related to the resistance to storage in both refrigeration and freezing of pig sperm, oocytes, and embryos.
- Practical uses of advanced reproductive technology (from IVF to embryo sexing) in farming conditions.
- Could parthenogenesis be a future, practical technique in pig farming?

Overall, addressing these and related topics will support researchers in developing innovative strategies and help optimize pig production under increasingly demanding conditions.

Guest Editors

Prof. Dr. Joan E. Rodríguez-Gil

Department of Animal Medicine and Surgery, Faculty of Veterinary Medicine, Universitat Autònoma de Barcelona, 08193 Bellaterra, Spain

Dr. Olga Blanco-Prieto

Department of Animal Science, University of Lleida, 25198 Lleida, Spain

Deadline for manuscript submissions

30 December 2026



Animals

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.5
Indexed in PubMed



mdpi.com/si/264863

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 3.2
CiteScore 5.5
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Animals is an international, peer-reviewed, open-access journal established in 2011 and published semimonthly online by MDPI. The journal is dedicated to high-quality research across a broad range of animal-related disciplines, including zoology and veterinary sciences, and upholds rigorous peer-review and editorial standards to ensure the publication of impactful work. Indexed in the Science Citation Index Expanded (SCIE) within Web of Science, *Animals* has a 2025 Impact Factor of 3.2 (ranks 13/87 (Q1) in 'Agriculture, Dairy & Animal Science'; 15/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.5.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, WA 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)