

Special Issue

Selection and Conservation of Gametes and Embryos for Improving Assisted Reproductive Technologies

Message from the Guest Editors

The efficiency of assisted reproductive technologies (ARTs) relies on the appropriate selection, manipulation, culture and conservation of gametes (the sperm and the egg), and embryos. From artificial insemination to in vitro embryo production, biotechnologies applied to reproduction have significantly impacted domestic animal production and the preservation of endangered species. This Special Issue will present original studies aiming to improve the selection and manipulation of gametes and embryos to increase developmental competence in different animal species that approach this challenge from a range of perspectives and areas, including sperm selection methods, novel oocyte activation protocols, in vitro fertilization, improvements in oocyte maturation and embryo culture, cryopreservation, etc., and focus on relevant aspects related to ARTs. We invite contributions that provide new insights and key points concerning assisted reproduction as a crucial tool in animal production and conservancy.

Guest Editors

Dr. Jesús Dorado

Dr. Manuel Hidalgo

Dr. Isabel Ortiz

Dr. Andrés Gambini

Deadline for manuscript submissions

closed (30 June 2023)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/126891

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)