

Special Issue

Reproductive Physiology of Dairy Cows

Message from the Guest Editor

The reproductive physiology of dairy cows is crucial for the efficiency and sustainability of dairy production. Understanding the interactions between physiological, environmental, and management factors is essential for optimizing reproductive performance, which influences milk production, animal welfare, and farm profitability. Recent advances in reproductive technologies, precision farming, and genetic selection offer opportunities for enhancing reproductive outcomes. This Special Issue aims to explore the latest developments and challenges in dairy cow reproduction. Our focus is on strategies to improve fertility, manage reproductive disorders, and integrate new technologies into management practices. We welcome original research, reviews, and case studies on reproductive physiology, reproductive technologies, hormonal regulation, estrus detection, postpartum health, and precision livestock farming.

Guest Editor

Dr. Augusto M.L. Madureira

Department of Animal Science, College of Agriculture & Natural Resources, Michigan State University, East Lansing, MI, USA

Deadline for manuscript submissions

closed (30 June 2025)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/214083

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)