



Ovarian Function and Antral Follicular Development in Livestock Reproduction

Guest Editors:

Prof. Dr. Paweł Mieczysław Bartlewski

Department of Biomedical Sciences, Ontario Veterinary College, University of Guelph, Guelph, ON N1G 2W1, Canada

Dr. Maria Emilia Franco Oliveira

Department of Pathology, Reproduction and One Health, School of Agricultural and Veterinarian Sciences, Sao Paulo State University, Jaboticabal, SP, Brazil

Deadline for manuscript submissions:

closed (10 December 2023)

Message from the Guest Editors

Recurrent follicular waves emerge throughout the luteal phase of the estrous cycle; previously, antral follicular growth was believed to occur at random or as a single bevy of follicles which mature just before ovulation. Abnormalities may contribute to suboptimal fertility; however, their etiology is not completely understood. The application of transrectal ultrasonography for monitoring ovarian dynamics paved the way for extensive studies on the endocrine control of ovarian function. Moreover, ultrasound imaging combined with computer-assisted analysis of ultrasonograms is a promising tool for determining and predicting various aspects of ovarian physiology; however, their applications have not been fully explored or utilized yet. In the 2000's and 2010's, an array of imaging modalities including, but not limited to, color and spectral Doppler ultrasonography have been added to the repertoire of ovarian monitoring techniques. This field of research still holds legitimate potential for advancing our knowledge of animal reproduction and reproductive biotechnologies; hence, it deserves to become a subject of reinvigorated attention.





an Open Access Journal by MDPI

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

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: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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)

Contact Us

Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)