

## Special Issue

# Molecular Regulations of Female Livestock Reproduction

### Message from the Guest Editors

Dear colleagues, Reproductive efficiency in females depends on the proper function of the reproductive organs that remain under the control of steroid hormones, gonadotropins, and locally produced factors/molecules. The regulatory network within the female reproductive tract is complex and still not fully understood. Thus, extensive research in the field of gene expression regulatory mechanisms, intracellular signaling, and nuclear and membrane hormone receptor action or epigenetic regulations is required. Novel insights into the regulation of physiology and endocrinology of the ovary, uterus, and oviduct of farm animals based on actual research trends are welcome. This Special Issue's scope includes the current study of molecular aspects of reproductive physiology and endocrinology in female farm animals. Special emphasis is placed on novel mechanisms, factors, and signaling pathways providing new information that impacts the basic understanding of female livestock reproduction. We invite researchers to submit original papers, reviews, as well as short communications that provide novel insights into female livestock reproduction.

---

### Guest Editors

Dr. Magdalena Kowalik  
Dr. Malgorzata Grzesiak  
Dr. Robert R~~o~~kawiecki

---

### Deadline for manuscript submissions

closed (30 April 2023)



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 5.5  
Indexed in PubMed



[mdpi.com/si/109647](https://mdpi.com/si/109647)

*Animals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto: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 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. 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 )