

## Special Issue

# Physiology and Pathology of Bovine Reproduction

### Message from the Guest Editors

Reproductive health is fundamental to the productivity and sustainability of the cattle industry. Bovine reproduction is a complex process regulated by intricate physiological mechanisms, and disturbances in these processes can lead to reproductive disorders that impact fertility, herd health, and economic viability. Advancements in molecular biology, endocrinology, microbiota research, and disease diagnostics have greatly enhanced our understanding of bovine reproductive physiology and pathology, opening new avenues for improving reproductive efficiency and disease management. This Special Issue aims to explore the latest research on the physiological mechanisms governing bovine reproduction and the pathological conditions affecting fertility. Studies that provide novel insights into reproductive endocrinology, molecular regulation, inflammation, infectious diseases, and emerging diagnostic and therapeutic strategies are particularly welcome.

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### Guest Editors

Dr. Dong Zhou  
Dr. Mingchao Liu  
Dr. Guiyan Yang

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### Deadline for manuscript submissions

31 August 2026



## Animals

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### 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.

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### Editor-in-Chief

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