

Special Issue

Hormone Shifts in Ruminant Reproduction in a Changing Climate

Message from the Guest Editor

We invite submissions to the Special Issue "Hormone Shifts in Ruminant Reproduction in a Changing Climate" in *Animals*. Ruminants face growing environmental threats from heat stress, erratic photoperiods, and forage variability, disrupting endocrine balance and impairing reproduction, fertility, and offspring viability. This Issue aims at studying on hormonal regulation of ruminant reproduction under climatic stressors, addressing physiology, behavior, health, and production responses.

Topics include (but are not limited to):

- Hormonal regulation of reproduction under heat stress and climatic stressors;
- Alterations in hypothalamic–pituitary–gonadal and hypothalamic–pituitary–adrenal axes due to environmental change;
- Roles of metabolic, photoperiodic, and circadian hormones (e.g., melatonin, leptin, insulin) in climate-related reproductive shifts;
- Molecular and epigenetic mechanisms of climate-induced reproductive changes;
- Species-specific endocrine adaptations and implications for fertility;
- Strategies to improve reproductive outcomes and sustainability in climate-stressed livestock systems.

We look forward to your contributions.

Guest Editor

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Deadline for manuscript submissions

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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.

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