

Special Issue

Canine Reproduction Disorders —Focus on Uterine and Hormonal Regulation

Message from the Guest Editor

This Special Issue focuses on uterine and hormonal regulation in female dogs' reproductive processes. The canine estrous cycle is controlled by a complex interaction of hormones like estrogen, progesterone, and luteinizing hormone, essential for normal reproductive function. Additionally, PGF, oxytocin, and cyclooxygenase, inotropic agents involved in placenta formation or neuropeptides, are highly significant. Disruptions in these hormonal pathways can cause disorders such as pyometra, cystic endometrial hyperplasia, endometritis, and infertility. By understanding the mechanisms of uterine and hormonal regulation, we can enhance veterinary strategies for diagnosing and managing reproductive disorders in bitches and promote better reproductive health outcomes.

Guest Editor

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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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