

Special Issue

Reproduction of Small Animals: Physiology, Pathology and Performance, Second Edition

Message from the Guest Editors

Since the late 1970s, fundamental research focusing on the unique reproductive physiology of the bitch has brought about a greater understanding of the LH surge, ovulation, and the events surrounding the estrous cycle. This research has led to advances that have improved overall reproductive performance, especially with the use of chilled or frozen-thawed semen samples. More recently, advances in semen evaluation, handling, chilling, and cryopreservation, along with advances in artificial insemination technologies, such as transcervical endoscopes, have allowed for significant improvements in reproductive performance, genetic gain and, importantly, welfare aspects for female small animal species. However, despite these exciting advancements, there is still much research to be done, particularly in the canine. The aim of this Special Issue is to present recent research and reviews on the unique reproductive physiological features of our small animal species and to stimulate interest in the evolving technologies in hopes of furthering this exciting field.

Guest Editors

Dr. Fiona K. Hollinshead

Dr. Greg Burns

Dr. Natali Krekeler

Deadline for manuscript submissions

closed (31 August 2025)



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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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