Reproduction of Small Animals: Physiology, Pathology and Performance

Guest Editors:

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

Since the late 1970's, research of the unique reproductive physiology of the bitch brought about a greater understanding of the LH surge and ovulation which has led to the accurate timing of insemination and breeding today. Advances in semen evaluation, handling, chilled shipment and cryopreservation along with technological developments in AI with the development of non-invasive endoscopes for transcervical insemination in both queens and bitches has allowed reproductive performance as well as enhanced genetic gain. Despite advancements that have been made in AI and breeding in canids and unlike in the felid species, progression of artificial reproductive technologies such as *in vitro* fertilization, blastocyst production, genetic manipulation of embryos and production of both normal and genetically modified offspring is still with limitations. This Special Edition is to present recent research and reviews on the unique reproductive physiology features of our small animal species and to gain knowledge in small animal anatomical, endocrinological reproductive physiology, stimulate interest in the evolving technologies that will further enhance this exciting field of research.

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Special Issue

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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: 3.0 (2022, ranks 12 /62 (Q1) in 'Agriculture, Dairy & Animal Science'; 13/143 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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