

Special Issue

Conservation and Sperm Quality in Domestic Animals: Second Edition

Message from the Guest Editors

This Special Issue remains focused on sperm cryopreservation and seminal quality with respect to reproductive management of domestic species. It will capitalize on the groundwork laid by the esteemed researchers and seek to emphasize recent developments, new methodologies and emerging challenges in this existing field. The preservation of genetic resources is fundamental to the maintenance of diversity, enabling an increase in breeding efficiency and the sustainability of animal production systems. New cryopreservation protocols and maximization of extenders, as well as molecular and omics methodologies crucially allow us to understand sperm physiology and its reactions to preservation and environmental challenges. In addition, the use of in-house or commercial biotechnologies, flow cytometry, proteomics and advanced imaging are key to providing a more accurate assessment of sperm functionality and fertility potential. For this Special Issue, we look forward to collecting contributions on the entire spectrum of sperm conservation from an interdisciplinary point-of-view, including fundamental and applied aspects in different domestic species.

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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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