

## Special Issue

# Conservation and Sperm Quality in Domestic Animals

### Message from the Guest Editors

In contemporary livestock management, both the preservation and assessment of sperm quality hold paramount importance. The reproductive success of domestic animals directly impacts agricultural productivity, making it imperative to safeguard and optimize sperm quality. This Special Issue discusses the pivotal role of sperm conservation and quality determination in modern animal husbandry. With the shrinking gene pool in many livestock species, preserving genetic material through cryopreservation and long-term storage is essential for sustaining breeds and adapting to changing environmental conditions. Furthermore, an assessment of sperm quality is critical for maximizing reproductive efficiency. Quality assessment techniques, such as semen analysis and advanced molecular tools, allow breeders to identify and select superior sires for artificial insemination and selective breeding programs. By focusing on high-quality sperm, producers can enhance the genetic potential of their herds, leading to improved livestock performance and increased profitability. These practices ensure the preservation of genetic diversity and contribute to the success and resilience of livestock systems

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### Deadline for manuscript submissions

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## Animals

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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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