

Special Issue

New Insights into Poultry Breeding: Advancements in Hatchability, Semen Collection and Fertility Enhancement

Message from the Guest Editors

This Special Issue focuses on recent advancements in poultry breeding with an emphasis on improving hatchability, semen collection techniques, and fertility enhancement. Poultry production systems are continually evolving, and reproductive efficiency remains a cornerstone for optimizing productivity. This issue aims to explore novel technologies, methodologies, and strategies that enhance reproductive traits in poultry, particularly in the context of genetic selection, semen quality evaluation, cryopreservation, and hatchery management. The scope includes original research and reviews related to artificial insemination, semen extender development, in vitro sperm evaluation, sperm cryopreservation, and genetic or nutritional strategies aimed at enhancing semen quality and fertility outcomes. Studies that bridge the gap between laboratory techniques and field applications—especially in both native and commercial poultry breeding systems—are particularly encouraged.

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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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