

Special Issue

Advances in Pig Reproduction

Message from the Guest Editor

In recent decades, advances in pig reproduction have aimed to increase reproductive efficiency and rates of genetic improvement. Improved artificial insemination (AI) protocols including innovative catheters and the use of exogenous gonadotrophins to facilitate fixed-time insemination, have allowed for a decreased number of inseminations and sperm per insemination dose, shortened and synchronized the weaning to oestrus interval, and increased litter size. Seminal additives have been developed to increase sperm motility and uterine contractions during AI, increasing sow fertility and prolificacy. The use of video cameras to investigate animal behavior, computerized tomography scans to determine carcass parameters and skeletal structure, and big data analysis provide information for new traits. Reproductive technologies such as in vitro embryo production, sperm sexing technology, and embryo transfer offer the potential to accelerate genetic progress. This Special Issue focuses on recent advances in all innovative reproduction strategies in pigs aimed at improving reproductive efficiency and genetic selection.

Guest Editor

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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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