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## Advances in Pig Reproduction

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### Message from the Guest Editor

Dear Colleagues,

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-estrus 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.

Dr. Rodrigo Manjarin

*Guest Editor*



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## Message from the Editor-in-Chief

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