

Special Issue

Advances in Pig Reproductive Endocrinology

Message from the Guest Editors

The pig is one of the most economically important farm species worldwide. Advances in pig reproductive endocrinology have significantly impacted the swine industry in recent years. Despite the fact that over the past three decades efficient breeding and management has almost doubled the litter size in this species, it was estimated that about 20 to 40% of morphologically and genetically normal embryos are lost during the early phases of pregnancy. On the other hand, a large litter may be challenging for the pig's metabolism, leading to difficulties in resuming ovarian cyclicity after weaning, especially in young animals. Other important factors affecting pig reproductive health are environmental endocrine disruptors that may influence the functioning of both female and male hormonal balance. To meet these challenges, new strategies in synchronization protocols, artificial insemination techniques, hormone treatments, embryo transfer, and genomic selection have to be developed, based on in-depth knowledge of pig reproductive endocrinology.

Guest Editors

Dr. Marta Kiezun

Dr. Katarzyna Kisielewska

Dr. Marlena Gudelska

Dr. Agata Żmijewska

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Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, Western Australia 6102, Australia
2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia

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