

## 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

### Deadline for manuscript submissions

31 January 2026



## Animals

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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