



New Strategies for Improving Bovine Oocyte Competence

Guest Editors:

**Dr. Joaquim Fernando Moreira
Da Silva**

Department of Animal
Reproduction, Faculty of Agrarian
Sciences and Environment,
University of The Azores, IITAA,
9700-042 Angra do Heroísmo,
Portugal

Dr. Mayra Anton Dib Saleh

Faculty of Agrarian Sciences and
Environment, University of the
Azores, 9700-042 Angra do
Heroísmo, Portugal

Deadline for manuscript
submissions:

closed (19 July 2023)

Message from the Guest Editors

The nutrition, health and welfare of cattle influence female fertility and have a substantial impact on farm profitability; thus, the challenge for researchers is to focus on reliable approaches and technical improvements to oocyte competence.

The aim of this Special Issue based on female fertility is to demonstrate current progress or suggest future biotechnological solutions for oocyte competence. Furthermore, this Special Issue focuses on new aspects of the control of oocyte maturation leading to achievements in their competence, making their fertilization and subsequent embryonic development possible.

Recent advances in in vitro technologies with particular interest in oocyte maturation and quality using endogenous or exogenous agents, thermoprotective molecules that alleviate heat-induced oocyte oxidative stress, organelle damage and apoptosis, cryopreservation and chilling procedures and validation of new methodologies applied to bovine female physiology will be fully discussed in this Special Issue.





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Prof. Dr. Clive J. C. Phillips

Curtin University Sustainable
Policy (CUSP) Institute, Curtin
University, Kent St., Bentley, WA
6102, Australia

Message from the Editor-in-Chief

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Contact Us

Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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