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New Strategies for Improving Bovine Oocyte Competence

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Deadline for manuscript submissions:
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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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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: 3.0 (2022, ranks 12 /62 (Q1) in 'Agriculture, Dairy & Animal Science'; 13/143 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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