

## Special Issue

# Heat Stress in Animal Oocytes: Impacts, Evaluation, and Alleviation

### Message from the Guest Editor

Heat stress is the physiological response to the disruption of thermal balance caused by high-temperature environments, which affects normal follicular and oocyte development in mammals and leads to reductions in embryo production. Therefore, it is of great importance to have a deep understanding of the mechanisms underlying the effects of heat stress on oocytes and to explore strategies for mitigating or preventing its detrimental impacts on livestock animals. Knowing the effects of heat stress on the generation of reactive oxygen species, endocrine disruption, mitochondrial function, and gene expression in oocytes and follicles can result in the improvement of assisted reproductive techniques in various species.

### Guest Editor

Prof. Dr. José Roberto Viana Silva

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### Deadline for manuscript submissions

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## Animals

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### Message from the Editor-in-Chief

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