

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

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Message from the Editor-in-Chief

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