

## Special Issue

# Heat Stress in Farm Animals: Impacts and Mitigation Strategies

### Message from the Guest Editor

Long-term changes in temperature patterns are causing marked alterations in the climates of different regions, leading to an increase in the frequency of extreme events such as a higher number of hot days or heat waves. Exposure to high temperatures can cause heat stress and compromise wellbeing, resulting in reduced production and reproduction. To guarantee the wellbeing and productive capacity of animals under high-temperature conditions, it is important to obtain better knowledge of the species and breeds that have the best genetic potential for adaptability, ensuring their ability to survive, produce, and reproduce in adverse climate conditions, especially in tropical and intertropical environments. Since animal production in the tropics can be limited, mainly due to heat stress, knowledge of the thermotolerance of the species and breeds exploited in such environments is essential. It could be an alternative to improve the performance of species under adverse climatic conditions. In addition, investigating effective strategies to reduce heat stress and promote animal health could aid positive production and economic outcomes.

### Guest Editor

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### Deadline for manuscript submissions

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## Agriculture

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### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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