

## Special Issue

# The Effects of Heat Stress on the Physiology, Immunity, and Behavior of Livestock and Poultry

### Message from the Guest Editor

This Special Issue bridges gaps in fragmented research by integrating cross-species THI analyses and 2025–2026 advancements (e.g., molecular mechanisms, climate change adaptations). It elucidates interconnections between heat stress-induced immunosuppression, reproductive failure, and metabolic dysfunction, while coupling these with practical interventions (nutritional optimization, precision cooling). By linking mechanistic insights to applied solutions, this work advances heat stress research from empirical to scientific frameworks, guiding future directions in heat-tolerant breed development and precision livestock farming.

### Guest Editor

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### Deadline for manuscript submissions

30 November 2026



## Animals

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### Editor-in-Chief

Prof. Dr. Clive J. C. Phillips  
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