

Special Issue

The Effects of Heat Stress on Dairy Cows

Message from the Guest Editors

Extreme heat reduces feed intake due to thermoregulation mechanisms, worsening with water scarcity and poor-quality feed. Night grazing and slower digestion may help but are often offset by heat stress. Heat stress alters ruminal fermentation, lowers pH, and reduces dry matter intake, milk yield, and quality while increasing metabolic and inflammatory risks. Climate change intensifies these effects, particularly during the transition period, exacerbating ketosis, mastitis, and hoof disorders. This Special Issue seeks original research on heat stress in dairy cattle, focusing on water deprivation, health, reproduction, and milk production impacts in arid regions. Submissions should advance science in mitigating heat stress effects.

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Deadline for manuscript submissions

15 November 2025



Dairy

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.9



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About the Journal

Message from the Editor-in-Chief

Dairy (ISSN 2624-862X) is an international, peer-reviewed open access advanced forum for studies related to the advances in dairy science. It publishes reviews, regular research papers and short communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers. The full experimental details must be provided so that the results can be reproduced.

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