Special Issue

Diet and Environmental Stress Impacts on Farm Animal Production

Message from the Guest Editors

Livestock diets are not just about feeding but ensuring that each animal within a given environment receives a balanced profile of nutrients to meet its maintenance and production needs. A consistent availability of certain feedstuffs leads to more profitable and sustainable agriculture. Stress is a sensory reaction that initiates the fight-or-flight response, composed of both endocrine and neurologic factors that affect animal liveability. Nutritionally, reliable sources for quality water are critical in making sure that an animal eats, digests its feed, remains productive, and maintains its well-being. The topics of interest include, but are not limited to:

- Dietary strategies for relieving stress in farm animals;
- Diet-environment nexus in preventing stress in farm animals;
- Feed preparation and additive supplementation under different farming environments;
- Feed manufacturing technologies to optimize digestive physiology and animal productivity;
- Climate variability effects on crop quality, milling, and feed raw materials mixing precision;
- Welfare effects on animal feeding behavior and productivity.

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Deadline for manuscript submissions

30 November 2025



Biology

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.4
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