

Special Issue

Livestock Farming Technology for Reducing GHG Emissions

Message from the Guest Editors

This Special Issue seeks to publish cutting-edge research and critical reviews that advance our understanding of and capacity to mitigate greenhouse gas (GHG) emissions across the livestock sector. We invite authors to submit original contributions spanning field trials, laboratory experiments, meta-analyses, and systematic reviews that illuminate technological or managerial solutions for methane, nitrous oxide, and carbon dioxide reductions. Topics of interest include, but are not limited to, the following areas:

- Innovative manure handling and storage systems;
- Novel manure-based products or non-conventional valorization pathways;
- Precision feeding or housing strategies that curb enteric emissions;
- Sensor-driven monitoring and decision-support tools;
- Integrated life-cycle or techno-economic assessments of mitigation technologies;
- Internet of Things (IOT) application in livestock system;
- Alternative feeding additive that reduce GHG emissions;
- Adsorbent-based nutrient immobilization for emission mitigation.

Guest Editors

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Deadline for manuscript submissions

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Editor-in-Chief

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Retired Scientist from Agricultural Research Service, United States
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JCR - Q2 (Agricultural Engineering) / CiteScore - Q1 (Horticulture)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.6 days after submission; acceptance to publication is undertaken in 5.4 days (median values for papers published in this journal in the first half of 2025).