

## Special Issue

# Regenerative Livestock Systems: Enhancing Nutrient Density and Ecosystem Health Through Holistic Practices

### Message from the Guest Editor

Regenerative livestock systems are gaining global attention as transformative approaches to animal agriculture, emphasizing ecological resilience, animal welfare, and nutrient-rich food production. Unlike conventional methods, these systems integrate holistic grazing, soil restoration, biodiversity enhancement, and climate adaptation strategies to improve both ecosystem health and food quality.

This Special Issue aims to explore scientific advancements and practical applications in regenerative livestock farming. Key topics include soil microbiome enrichment, carbon sequestration in pasture-based systems, the impact of diverse forages on meat and dairy nutrient density, and animal welfare in regenerative models. Additionally, we welcome studies on policy frameworks, economic viability, and the role of regenerative livestock in climate mitigation.

We seek contributions from researchers, practitioners, and industry experts providing empirical data, case studies, or theoretical insights into how regenerative approaches influence animal health, product quality, and environmental sustainability.

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### Guest Editor

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### Deadline for manuscript submissions

25 September 2025



## 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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### Editor-in-Chief

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