

## Special Issue

# New Pathways Towards Carbon Neutrality in Agricultural Systems

### Message from the Guest Editors

The pursuit of carbon neutrality in agricultural systems has gained significant momentum in recent years, driven by the urgent need to mitigate climate change and its adverse impacts on global food security. Agriculture has been both a significant contributor to greenhouse gas emissions and a potential solution through carbon sequestration practices. This Special Issue covers a diverse array of topics, including but not limited to novel agricultural practices, advances in soil carbon sequestration, precision farming technologies, bio-based solutions, and multi-objective collaborative management strategies. We aim to highlight cutting-edge theoretical and applied research addressing the complex interplay between agricultural practices, carbon emission, and climate change adaptation and offering actionable insights for farmers, scientists, and policymakers alike. We invite submissions of original research and review articles that contribute to the understanding of the role of agricultural systems in carbon neutrality and propose new solutions for reducing the sector's carbon footprint.

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### Guest Editors

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### Deadline for manuscript submissions

31 May 2026



## Agronomy

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