

## Special Issue

# Soil Health Solutions for Sustainable Agriculture

### Message from the Guest Editor

Soil health is crucial for sustainable agriculture, global food systems, environmental resilience, and biodiversity preservation. However, unsustainable farming resulted in declining soil fertility, degradation, and increased vulnerability to climate change. This Special Issue addresses the urgent need for innovative, science-based solutions to restore and sustain soil health.

The base for this is soil analysis, which provides essential data on soil composition, nutrient availability, and microbial ecosystems. AI-powered tools have the potential to transform soil health assessment, management, and prediction, enable the integration of soil data with environmental and climatic variables, and allow farmers to anticipate nutrient deficiencies and erosion, optimizing soil productivity.

This Special Issue explores diverse strategies to rebuild soil structure and improve fertility, including conservation tillage, crop rotation, biofertilizers, and organic farming practices. It also emphasizes policy frameworks and community engagement. Together, these approaches provide resilient agricultural systems, enhanced carbon sequestration, and long-term environmental sustainability.

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### Guest Editor

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### Deadline for manuscript submissions

closed (25 July 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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