Special Issue

Soil Tillage and Farm Mechanization

Message from the Guest Editor

The objective of this Special Issue is to explore the current state and innovation in farm machinery technology associated with soil tillage and identify future trends and transformations in farm mechanization in the context of soil conservation and resilience to climate change. Specifically, this Special Issue invites scientists and researchers to contribute with their work into the following themes:

- Development and testing of contemporary tillage implement and farm tractor innovations that promote effective and efficient soil tillage and crop establishment operations;
- Development and adaptations of farm machinery for the enhancement of soil sustainability;
- Effects of soil tillage on soil quality (effects on soil erosion, compaction, fertility, biodiversity, water, etc.);
- Effects of soil tillage on crop establishment and growth (growth stages, biomass, root growth, final yield, etc.);
- Smart farming, precision agriculture, and other cutting-edge innovations that promote soil sustainability;
- Use of remote sensing to evaluate the effects of soil tillage on crops and soils;

For further reading, please visit the **Special Issue website.**

Guest Editor

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Deadline for manuscript submissions

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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).