Special Issue

Conservation Tillage, Machinery and Sustainability in Agriculture Development

Message from the Guest Editor

Conservation tillage is mainly based on the principles of minimizing soil disturbance, maximizing straw residue coverage, and effectively promoting biological activity. Suitable technical models have been developed for different agricultural ecological environments and crops in different regions around the world. Conservation tillage fully utilizes the natural conditions to protect the soil, restore soil fertility, effectively reduce soil erosion, improve production efficiency, promote cost saving and efficiency, and achieve the sustainable development of agriculture. It is the future trend of global cultivation technology development. By effectively combining agricultural mechanization with conservation tillage, the difficulty and intensity of agricultural operations can be reduced, labor costs can be saved, agricultural production efficiency can be improved, and various resource utilization efficiencies can be ensured. This Special Issue welcome related submission to achieve the aim of quickly and widely disseminating relevant research findings, developments, and applications.

Guest Editor

Prof. Dr. Shuhong Zhao
College of Engineering, Northeast Agricultural University, Harbin, China

Deadline for manuscript submissions

closed (27 November 2025)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/222320

Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

