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.

Guest Editor

Dr. Mohamed El-Baghdadi

Faculty of Sciences and Techniques, University Sultan Moulay Slimane, BP-523, Béni-Mellal 23000, Morocco

Deadline for manuscript submissions

25 January 2026

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/si/228364

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

mdpi.com/journal/agriculture

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/journal/agriculture

MDPI

About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)