

Special Issue

Effects of Different Managements on Soil Quality and Crop Production

Message from the Guest Editors

Agricultural management systems and practices can deeply affect soil processes and functions, and those emerging as a result of recent technological advancements may have impacts on the soil that are still little known. In addition to the expected growing demand for agricultural products, other factors contribute to changes in the management of agricultural land. Sustainable soil management should be able to combine production objectives with environmental protection goals. Considering that ongoing climate change and different soil types can induce different responses to diverse management practices, research is crucial to fill the knowledge gaps related to the interaction between practices and their effects on soil functions and ecosystem services.

This Special Issue will focus on quantifying the effects of management practices on soil quality and agricultural production under diverse pedoclimatic environments and cropping systems. It will also present evaluations of the strategies and tools available (precision agriculture, provisional models, decision support systems) to identify, develop, and implement management strategies to preserve and improve soil ecosystem functioning.

Guest Editors

Dr. Nadia Vignozzi

Dr. Sergio Pellegrini

Dr. Maria Costanza Andrenelli

Deadline for manuscript submissions

closed (10 November 2025)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



mdpi.com/si/204728

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

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



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), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

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