



Tillage Systems and Fertilizer Application on Soil Health

Guest Editors:

**Prof. Dr. Cezar F. Araujo
Junior**

Rural Development Institute of
the State of Paraná–IAPAR–
EMATER (IDR-Paraná), Rod. Celso
Garcia Cid, km 375, Londrina
86047-902, PR, Brazil

**Prof. Dr. Eduardo Da Costa
Severiano**

Graduate Program in Agricultural
Sciences/Agronomy, Instituto
Federal Goiano, Rio Verde 75901-
970, Brazil

Deadline for manuscript
submissions:

20 July 2024

Message from the Guest Editors

Across the globe, the intensive traffic of machines used in mechanized agriculture is currently the main cause of soil compaction, causing concerns about soil health. Soil tillage affects soil structure stabilization, organic matter stocks, and the quality and distribution of nutrients throughout the soil profile. No-tillage systems have become one of the most recommended soil management techniques that, by placing crop residues over the soil surface, protect the soil against raindrop impact, soil erosion, and compaction. Covering the soil with crop residues is one of the main factors that influence soil water infiltration. Moreover, the residues alleviate the stress induced by the wheels, tracks, and implements. The root systems of crops create the biogenic soil porosity that increases the soil's resistance to compaction and facilitates the flux of water, air, and heat in the soil profile.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and
Wine, University of Adelaide,
Urrbrae, SA 5064, Australia

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

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, and other databases.

Journal Rank: JCR - Q1 (*Agronomy*) / CiteScore - Q1 (*Agronomy and Crop Science*)

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
[X@Agronomy_Mdpi](https://twitter.com/Agronomy_Mdpi)