

Special Issue

Soil Resilience for Sustainable Agricultural Systems

Message from the Guest Editors

Soil is the foundation of agricultural systems and plays a key role in the resilience and sustainability of modern farming. Agricultural soils face multiple challenges, including degradation, climate change and socio-economic pressures. Enhancing soil resilience is essential to ensure sustainable productivity and the conservation of natural resources.

Soil resilience is closely linked to agricultural sustainability, enabling systems to provide essential goods and services in the long term while promoting environmentally responsible and socially inclusive practices.

This Special Issue seeks contributions exploring theories, methodologies, and innovative approaches related to soil resilience in agriculture. Topics include strategies to maintain fertility, restore degraded soils, implement regenerative and organic agriculture, apply circular economy approaches, and develop adaptive solutions to climate change.

We invite original research articles, case studies, and critical reviews. This is an opportunity to share knowledge, foster collaborations, and advance our understanding of soil's central role in building resilient and sustainable agricultural systems.

Guest Editors

Dr. Carolina Dos Santos Batista Bonini

Department of Plant Production, School of Agronomic and Technological Sciences, São Paulo State University (Unesp), Dracena, São Paulo 17900-000, Brazil

Prof. Dr. Marlene Cristina Alves

Rural Engineering and Soils (DEFERS), Department of Plant Protection, Faculty of Engineering, São Paulo State University (UNESP), Ilha Solteira 15385-000, SP, Brazil

Deadline for manuscript submissions

20 July 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/265466

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

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)