



Exploration of Plant-Soil-Microbe Interactions and Soil Fertility Status from a Sustainable Agricultural Perspective

Guest Editor:

Dr. Karolina Furtak

Department of Agricultural Microbiology, Institute of Soil Science and Plant Cultivation - State Research Institute (IUNG-PIB), 24-100 Puławy, Poland

Deadline for manuscript submissions:

closed (15 November 2022)

Message from the Guest Editor

Dear Colleagues,

Feeding another 2 billion people by 2050 with limited resource is the most important challenges for contemporary agriculture. Sustainable agriculture offering a viable perspective on conventional management practices that are no longer viable.

Sustainable agriculture is any activity that reduces the impact of agriculture on the environment, enabling more efficient and environmentally friendly use of resources while maintaining the profitability of agricultural production and its social acceptance. Analysis of the relationships between soil, plants and microorganisms can enhance our understanding of the underlying processes that contribute to sustainable agricultural development. The papers collected in this issue should aim to:

- determine the impact of agricultural activities on the status and fertility of soils;
- determine the impact of agriculture on plant-soil-microbe interactions;
- analyze the diversity and microbial activity of agricultural soils ;
- the use of microorganisms as an opportunity to improve yield





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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. *Sustainability* publishes original research articles, review 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.

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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)