

Special Issue

Frontiers in Soil Microbial Ecology and Its Role in Sustainable Agroecosystems

Message from the Guest Editors

The world population continues to increase and there is a real concern regarding our ability to feed all of these people, an endeavor that requires a continual increase in agricultural productivity. Thus, more than ever, obtaining high yields is the main challenge for agriculture. Sustainable crop production should switch from growing plants to the cultivation of plant-microbial communities, which can reach high productivity under minimal energy and chemical investments along with minimal pressure on the environment.

Many of today's environmental problems in crop production are due to applications of chemical fertilizers that provide an imbalance of mineral nutrients. In this context, soil microorganisms with beneficial activity on plant growth and health represent an attractive alternative to conventional agriculture. In recent years, several microbial inoculants have been formulated, produced, marketed, and applied successfully by an increasing number of growers. This Special Issue provides insights into the "Frontiers in Soil Microbial Ecology and Its Role in Sustainable Agroecosystems".

Guest Editors

Dr. Muhammad Zafar-ul-Hye

Dr. Shah Fahad

Dr. Muhammad Shaaban

Deadline for manuscript submissions

closed (31 January 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/89323

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

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.

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

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, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)