# **Special Issue**

# Soil Science and Microbiology Research for Conservation Agricultural Systems

### Message from the Guest Editors

Soil contains a wide range of organic substrates, and plays very important roles in the growth of beneficial microbes and whole plants. Soil contains nutrients and water for uptake by microbes and plants. Interaction between plants and microbes in the rhizosphere helps to facilitate soil fertility and plant growth. These growthpromoting bacteria are referred to as plant-growthpromoting microbes (PGPMs). The rhizosphere is the soil ecological environment for the interaction between plants and microbes. These beneficial microbes have the tendency to colonize the root surfaces and show sustainable plant growth promotion. Soil promotes the growth of PGPRs to facilitate plant heath both directly and indirectly for protection against phytopathogenic microbes by the production of important compounds, enzymes and phytohormones. In this Special Issue, we invite original research papers and reviews that will be focused on soil ecological sciences and the response of plants and microbes towards the availability of nutrients and water in the soil.

#### **Guest Editors**

Dr. Mukesh Meena

Dr. Prashant Swapnil

Dr. Andleeb Zehra

### Deadline for manuscript submissions

closed (30 April 2023)



# Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/133407

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

mdpi.com/journal/ sustainability





## Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



## **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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

#### **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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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

