Special Issue

Rhizo-Microbiome for the Sustenance of Agro-Ecosystems in the Changing Climate Scenario

Message from the Guest Editors

The extensive and non-targeted use of various agrochemicals results in pesticide resistance. The crop microbiome and plant-growth-promoting rhizobacteria (PGPR) plays a strategic role in the improvement of crop production under a changing climate, antioxidant defense and nutrient uptake in plants, sustainable management of plant disease (biocontrol), and seed priming. Currently, the increased awareness of the importance of microorganisms for plant and soil health has fueled a boom in research on PGPR.

This Special Issue on "Crop Microbiome for the Sustenance of Agro-Ecosystems in the Changing Climate Scenario" aims to gather contributions from scientists working in diverse disciplines related to:

The crop microbiome in plant health, plant immunity, plant defense, and plant growth promotion;

The crop microbiome in plant defense mechanisms; Resilience of the agricultural microbiome to climatic changes;

Plant-growth-promoting rhizobacteria (PGPR) for the improvement of crop production;

Guest Editors

Prof. Dr. R. Z. Sayyed

Dr. Noshin Ilyas

Prof. Dr. Hesham Ali El Enshasy

Deadline for manuscript submissions

closed (31 December 2021)



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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

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