Special Issue

Role of Soil Microbiota in Plant Productivity

Message from the Guest Editors

Deciphering the mechanisms involved in positive interaction and harnessing the full potential of plant-microbe interaction to improve plant growth and productivity under continuously altering climatic conditions could fortify food security for a growing population.

This Special Issue focuses on: 1) the mechanisms of beneficial and effective interaction between plant and microbiota; 2) molecular pathways of plant growth and productivity mediated by associated microbiota; 3) management of plant biotic stress by microbiota; 4) microbes induced tolerance to abiotic stress in plants; 4) alleviation of oxidative stress in plants under stress conditions through beneficial interaction with microbiota; 5) plant–microbe interaction induced improved biochemical process in plants; 6) improved food quality on plant-microbe interaction; 7) signaling mechanism triggered by associated microbes in plants; and 8) application of plant–microbe interaction for agro-biotechnological innovations. **Keywords**

- biotic/abiotic stress
- crop quality
- microbiome
- molecular mechanism
- phytohormones
- plant–microbe interaction
- root colonization
- soil microbiology

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