

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 growth-promoting bacteria are referred to as plant-growth-promoting 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 health 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

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Dr. Prashant Swapnil

Dr. Andleeb Zehra

Deadline for manuscript submissions

closed (30 April 2023)



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Editor-in-Chief

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