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Microbiota-Mediated Crop Stress Resistance against Abiotic Constraints

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Deadline for manuscript submissions:
closed (31 October 2023)

Message from the Guest Editors

Several techniques are used to enhance plant productivity, such as the selective breeding of varieties that provide the highest yields. However, abiotic stressors exert additional pressure on agricultural systems. Therefore, breeding for yield may not be enough, highlighting the need for strategies that integrate productivity in abiotic stress contexts.

The use of beneficial microorganisms to improve plant productivity under these conditions is the focus of various researchers and, due to the economic and environmental sustainability potential of this approach, has attracted significant attention from the agricultural industry and society.

This Special Issue invites the submission of research and review manuscripts that exploit the use of beneficial microbes to enhance crop productivity, such as bacteria and fungi applied alone or in consortia, resulting in visible effects on the yield of different crops in different abiotic conditions. Studies that provide novel information on plant-growth-promoting traits and plant–microbe interactions, as well as those that provide data derived from omics approaches or new materials, are particularly welcomed.

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Message from the Editor-in-Chief

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