



Innovations and Obstacles: Microbial Communities in the Journey of Soil Remediation

Guest Editor:

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Message from the Guest Editor

With an increasing pressure on shifting to sustainable means of agriculture and food demand, agricultural soils are facing strong human-induced stresses such as exceeding chemical inputs, improper application of pesticides, etc. Such activities have caused an imbalance in soil microbiome, further disturbed microbe-mediated C, N and P cycles. Thus, it is time to modify soil properties and the microbiome, in the direction of accelerating soil nutrient recovery and disease resistance. With increasing pressure on agriculture soils, microbiome-based strategies have exhibited tremendous potential. The emphasis has now shifted from the storage of potent individual strains to the preservation of beneficial microorganisms and further establishing a healthy soil microbiome. Papers relevant to the following topics are welcomed to this Special Issue, including, but not limited to:

1. Soil remediation in terms of fertility increase, abating hazardous substances and crop growth enhancement;
2. Beneficial microbe-protecting techniques, and their transplantation and subsequent application.





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Message from the Editor-in-Chief

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