Special Issue

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

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:

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

Guest Editor

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Editor-in-Chief

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