Special Issue

Remediation of Soil Pollution and Improvement of Soil Health

Message from the Guest Editors

Soil health and safety is vital for crop production. Environmental pollutants could accumulate in soils and sneak into the food chain, thereby posing a major threat to food security and ecological safety, or their presence in soil can adversely affect soil properties, leading to deteriorated soil health and decreased crop production. Pollutants can enter the soil through polluted air, water, or solid waste. Hence, to tackle the problem of soil pollution, discharge to the soil should be treated before use, or polluted soil should be remediated. Various techniques, including physical, chemical, and biological remediation techniques, have been researched and applied in soil pollution mitigation. Mechanisms of pollutants removal include adsorption, mobilization, hyperaccumulation, deactivation, and degradation.

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