



Sustainable Phytoremediation of the Polluted Soil

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Message from the Guest Editors

Heavy metal contamination is a common environmental problem worldwide and is a serious threat to wild, agricultural and aquatic ecosystems, as well as human health. Their removal from the soil and water usually requires technologies such as reverse-osmosis, ion-exchange, electro dialysis, adsorption, etc. Most of them are quite expensive, energy intensive and metal specific.

Phytoremediation is a biological, cost-effective and eco-friendly clean-up methodology that uses plants and their associating micro-organisms to degrade, remove or remediate contaminants from soil and water and for the restoration of their properties.

This Special Issue will cover the following themes: phytoremediation; eutrophication in aquatic ecosystems; water and sediment pollution; wetlands remediation; soil remediation; modeling of heavy metal uptake; and bioindicators. The goal of this Special Issue is to provide assessment, evaluation and solutions for the problems related to soil/sediment and water pollution.





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