

Special Issue

Sustainable Phytoremediation of the Polluted Soil

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, electrodialysis, 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.

Guest Editors

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Prof. Dr. Tarek M. Galal

Deadline for manuscript submissions

closed (10 April 2023)



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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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