



Application of Plants in Remediation Processes

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Message from the Guest Editors

Dear Colleagues,

Due to natural and mostly anthropogenic activity, the environment is continuously contaminated with foreign substances. As a result, soils have been heavily polluted with organic and inorganic agents. Hence, there is a growing need for adequate, efficient and cost-effective strategies for the remediation of the growing number of affected soils around the globe. Bioremediation is the most effective management technique for recovering polluted soils. In this Special Issue, the background, concepts and applications of phytoremediation are comprehensively discussed. Emphasis is placed on the types, characteristics and ecological traits of accumulator plants and their role in phytoremediation. Genetic, biochemical and physiological mechanisms for managing chemical stress are also discussed. Finally, successful examples of in situ phytoremediation using integrative approaches for different chemical agents are presented.





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Message from the Editor-in-Chief

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