



Sustainable Remediation of Soil and Water Contaminant: Innovations and Practices

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Message from the Guest Editors

This Special Issue aims to publish innovative works focusing on the research and development of catalytically degrading materials and the pilot application of novel techniques, e.g., advanced oxidation–reduction, physical desorption, immobilization, phytoremediation, microbial degradation, in situ biological process, recycle/reuse, and engineering terms for the removal of contaminants in soil and water. We aim to publish experimental and theoretical studies on remediation mechanisms and environmental risk assessment in association with the service for sustainable remediation,

The topics of interest for this Special Issue include, but are not limited to, the following:

Environmental hazards of new contaminants in soil and water;

Bioavailability and biological effect;

Concentration-response relationships;

Models developed for risk assessment;

Novel development of remediation methods and materials;

Degradation or biotransformation mechanism of contaminants;

Practice of physical/chemical/microbial/phytoremediation;

Models and framework for evaluation of remediation sustainability.





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