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Soil Pollution Assessment and Sustainable Remediation Strategies

Guest Editor:

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closed (19 November 2021)

Message from the Guest Editor

When a chemical in soil affects humans, or other living organisms, producing undesired effects, that soil is considered polluted. These pollutants will not only affect the soil but, ultimately, will affect different resources and environmental compartments, which represent a major risk.

To control the risk, remediation measures must be taken, which are, in some cases, disruptive and costly. However, there are sustainable practices for the management of contaminated soils, controlling the risk, and promoting their remediation, like bioremediation and phytoremediation. These techniques can be used to immobilize, extract or degrade different soil pollutants, contributing to control the risk of exposure to the pollutant, or to the soil full decontamination.

This special issue welcomes studies on different soil pollutants: concentrations and soil-plant-water interactions, bioavailability assessment, risks to human health, negative effects on the environment (e.g., freshwater and groundwater, soil organisms, soil functions, ecosystem services), soil quality evaluation and sustainable soil remediation strategies.

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Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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