Forests Soil Pollution and Advanced Technologies for Remediating Polluted Soils

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Message from the Guest Editors

Dear Colleagues,

For the development of advanced methods of soil contamination monitoring, as for forest soils and other soil type systems, the issues regarding understanding the processes occurring in the soil, identifying numerous polluting chemicals, and assessing their bioavailability are points of great concern. The reason for that is the complexity of the soil's composition itself as a system as well as the variety of pollutants whose mechanisms of action on soil ecosystems are unknown or have been studied very little. Since soil is the area in which many microorganisms are located and different molecular structures (enzymes) are operating, the proposed soil-pollution techniques and approaches for remediating polluted soils must be guided by two factors. The first is that the techniques should be free from undesirable errors derived from risk analysis methods. Secondly, the newly developed methods should allow for the potential risk to be assessed without overestimating the pollution.

Thus, this Special Issue is open for pioneering experimental research results as well as comprehensive reviews in fields related to soil pollution assessment and remediation.

Special Issue

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