



Potentially Toxic Trace Elements in Contaminated Sites: Fate, Risk and Remediation

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Message from the Guest Editors

The occurrence, distribution and fate of potentially toxic trace elements (PTEs, including As, Cd, Hg and Pb) of both anthropogenic and natural origin in the environment represents an issue of global concern. These contaminants are easily accumulated in the soil and sediment matrices leading to a general worsening of the environmental quality in both continental and aquatic systems. In situ remediation techniques such as the use of sustainable sorbent amendments have been shown to be effective in mitigating the risks related to the occurrence of bioavailable forms of PTEs in soils and sediments with respect to traditional approaches including dredging, removal and capping.

This Special Issue of *Applied Sciences* is a valuable opportunity to publish recent studies related to the risk assessment and management of contaminated sites in both marine and continental environments. Moreover, the assessment of bioavailability, transport and fate of PTEs will be also considered.

- potentially toxic trace elements
- marine biogeochemistry
- contamination of soils
- sediments and water
- mercury





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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