



Toxic Metal in Soil, Water and Biota Compartments: Contamination and Remediation

Guest Editor:

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Message from the Guest Editor

Metals are naturally occurring elements, but their multiple industrial, domestic, agricultural, and technological applications have led to their wide distribution in the environment. Being highly reactive and toxic even at low concentrations, metals may enter in soils and groundwater, adversely affecting biota. Bioavailable fractions of metals can easily be absorbed by organisms, compromising their cellular metabolism and activities. Because of their characteristics of duration and enrichment, metals accumulate along the food webs, causing irreparable alteration to biodiversity. For these reasons, remediation of metals requires special attention to prevent exposure of metals to organisms in order to protect the biota and the environmental quality. In recent years, ecological and global public health have been associated with metal contamination and remediation, but open challenges regarding the impacts of metals on organisms and their activities as well as their interactions remain. Therefore, research involved in the implementation of the current knowledge on these subjects is welcome in this Special Issue.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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