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# Environmental Biogeochemistry of Trace Elements in Contaminated Soils and Water

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## Message from the Guest Editors

Understanding the transfer, accumulation, and fate of potentially toxic trace elements in the natural environment is necessary in order to assess the risks to ecosystems and human health. These elements do not get eliminated; they change their chemical form and are always susceptible to remobilization in the environment by natural transformation mechanisms.

In a context of ecological risk assessment, natural environment management, and sustainable development, it is essential to acquire knowledge about the fate of metals in these different abiotic and biotic compartments of soils and water, and to define the mechanisms that condition their transfer; their bioaccumulation capacities; and, ultimately, their toxic and ecotoxicological effects on the different biological levels of integration. Indeed, knowledge of the physical and chemical form of metals, of natural or anthropogenic origin, is essential in order to understand the mechanisms of transfer and accumulation by living organisms.

More Details: Trace Elements in Contaminated Soils and Water

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## Message from the Editor-in-Chief

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