Toxics

an Open Access Journal by MDPI

CiteScore: 6.4
Indexed in PubMed
Impact Factor: 4.1

Special Issue Reprint

Potentially Toxic Elements Pollution in Urban and Suburban Environments II

Edited by: Ilaria Guagliardi

Pollution from potentially toxic elements (PTEs) has emerged as a critical global concern due to rapid population growth, industrialization, and urban expansion. These elements, known for their persistence and biotoxicity, pose significant risks to ecosystems and human health. PTEs can enter the human body through dermal contact, inhalation, and ingestion via contaminated food and water. Their widespread presence across environmental matrices - soil, water, air, and sediments - demands urgent scientific attention. Environmental geochemistry plays a key role in identifying and characterizing the distribution and sources of PTEs, using geostatistical tools to trace both natural and anthropogenic origins. This Special Issue collects contributions that explore the behavior, transport, fate, and ecotoxicological impact of PTEs in urban and suburban environments. Topics of interest include PTE bioavailability, mapping, spatial data analysis, and pollution from geogenic and anthropogenic sources.

mdpi.com/books/reprint/11953