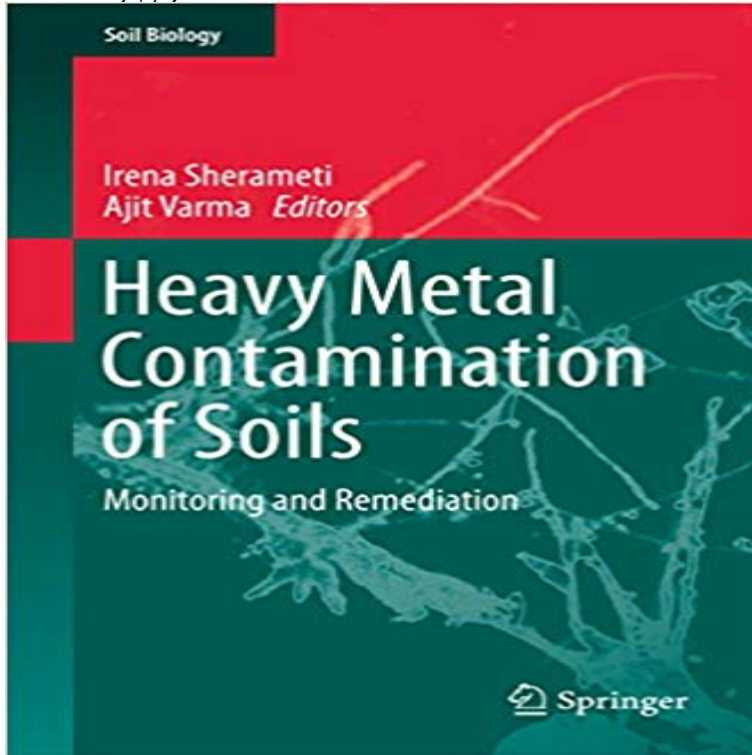


Heavy Metal Contamination of Soils: Monitoring and Remediation (Soil Biology)



Following a description of the various sources and factors influencing the contents of heavy metal pollution in post-catastrophic and agricultural soils, subsequent chapters examine soil enzymes and eggs as bio-monitors, lead adsorption, the effects of arsenic on microbial diversity, and the effects of Mediterranean grasslands on abandoned mines. A third section focuses on the adaptation strategies used by plants and bacteria, such as *Pinus sylvestris* in industrial areas, and the rhizosphere in contaminated tropical soils and soil treated with sewage sludge. Further topics addressed include strategies of bioremediation, e.g. using transgenic plants as tools for soil remediation. This new volume on heavy metals in soil will be of interest to researchers and scholars in microbial and plant biotechnology, agriculture, the environmental sciences and soil ecology.

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