

# In-Situ Remediation of Arsenic-Contaminated Sites

This textbook provides an introduction, the scientific background, case studies and future perspectives of in-situ arsenic remediation technologies for soils, soil water and groundwater at geogenic and anthropogenic contaminated sites.

The case studies present in-situ technologies about natural arsenic, specifically arsenate and arsenite, but also about organic arsenic compounds. The book covers geochemical, microbiological and plant ecological solutions for arsenic remediation and:

- "provides information to fulfil the increasing need for in-situ arsenic removal in the subsurface
- "combines discussion of theoretical background, commercial case studies, recent research results and future perspective

In-Situ Remediation of Arsenic-Contaminated Sites is a textbook for (post-)graduate students and researchers in the field of Environmental Sciences and Hydrogeochemistry and also researchers, engineers, environmental scientists and chemists, toxicologists, and medical scientists.

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Introduction to in-situ remediation; Fundamentals and Background; Background of in-situ remediation, Remediation technologies, Case Studies; Soils (unsaturated zone), Geogenic contaminated sites, Mining-related contaminated sites, Anthropogenic contaminated sites, Technical sustainability of in-situ remediation, Ecological sustainability of in-situ remediation, Economical sustainability of in-situ remediation, Modeling of in-situ remediation methods and prediction

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