

1. Record Nr.	UNINA9910824001103321
Titolo	Bioremediation of mercury : current research and industrial applications // edited by Irene Wagner-Dobler
Pubbl/distr/stampa	Norfolk, England : , : Caister Academic Press, , [2013] ©2013
ISBN	1-908230-78-9
Descrizione fisica	1 online resource (161 p.)
Disciplina	363.1791
Soggetti	Mercury wastes Bioremediation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Table of Contents; Contributors; Preface; Ch 01: Current Research for Bioremediation of Mercury; Ch 02: Mercury Pollution From a Former Chlor-alkali Factory in Pavlodar, Kazakhstan: Characterization, Treatment, and Postdemercurization Monitoring; Ch 03: Vlora, an Abandoned PVC Factory at the Mediterranean Coast: Mercury Pollution, Threat to Humans, and Treatment Options; Ch 04: Land Use Change and Mercury Mobilization in the Amazon: The Madeira River Basin Case Study; Ch 05: Mercury in the Chlor-alkali Electrolysis Industry Ch 06: Long-term Operation of a Microbiological Pilot Plant for Clean-up of Mercury-contaminated Wastewater at Electrolysis Factories in Europe Ch 07: Microbiological Treatment of Air Scrubber Solutions From a Waste Incineration Plant and Other Mercury-contaminated Wastewater: A Technology in Search of an Application; Index
Sommario/riassunto	Mercury is a heavy metal with extreme toxicity, the ability to biomagnify, and long range atmospheric transport of its gaseous form. Past and present industrial uses of mercury have resulted in the pollution of soils, groundwater, rivers, and marine ecosystems worldwide - the clean-up of which, using standard technology, is either not feasible or is prohibitively costly. A low cost and environmentally friendly alternative is bioremediation: the use of microbes or plants (phytoremediation) to remediate contaminated sites. In this timely book, established mercury experts review the latest resear

