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Nota di contenuto	Front cover; Table of contents; Foreword; Keynote presentations; Mineral barriers in landfill capping systems - Conditions of durability; Preventing pollution caused by mining activities; MOKKA: Modern engineering tools for environmental risk management; Physical modelling of New Orleans levee flood protection system performance during Hurricane Katrina: London Avenue and Orleans; Assessment of the use of recycled aggregates in vibro-stone column ground improvement techniques; The BORASSUS Project: Towards an integrated approach to soil conservation; Engineered disposal of wastes Asphalt liners in landfill constructionOptimization of disposal logistics for household waste; Application of the experience from the industrial landfill mining in the Vienna basin to problems of threshold and developing c; Long-term hazard to drinking water resources from landfills; Novel criteria to classify the stabilization of organic material; New model laws to calculate long-term hazards to drinking water resources from landfills; Spontaneous ignition of plastic deposits and avoidance by fire protection measures and subsequent transformation of plastics in Evaluation of gas regime and climatic influence in an ageing municipal

solid waste landfill site: A case studyPretreatment of waste prior to landfilling; Recycling different wastes to produce 'topsoil' for seeding embankment slopes; Treatment of contaminated and derelict land; Innovative technology for metal-polluted soils - Combined chemical and phytostabilisation; Cyclodextrins for the enhancement of soil remediation technologies; Multistage verification of soil remediation; Environmental Risk Management of diffuse pollution of mining origin; Direct testing of soil mutagenicity
In situ delineation of point sources and high resolution mapping of polluted sites by field-portable X-ray fluorescence measuriReclamation and cultivation of the Cracow soda plant lagoons; Investigation and remediation of oil lagoons - Selected technological approaches; Bioremediation of soils contaminated with petroleum hydrocarbons using a natural biodegradable product; Phytostabilisation - An appropriate remediation technique for metals in soils along highways; Remediation of arsenic-contaminated groundwater; Rationalisation of water use in multistage washing of dispersive materials
An old quarry: Natural attenuation remediates historic ignoranceTrace element features in Yanzhou-Jining-Tengzhou mining site: A case study; Sustainable construction and infrastructure; Fly ash and silica fume for green shotcrete; Effect of curing regime on the bearing capacity of soil stabilized with class F fly ash and cement; Partnering for a greener future; Interaction between cement and superplasticizer in pozzolanic mineral admixtures; Environmental and engineering properties of processed Portuguese steel slags; Rebuilding of a road across an old Jewish cemetery in northern Poland
Use of waste glass as fine aggregate in structural concrete

Sommario/riassunto

Engineers and scientists have made tangible contributions to environmental protection. But, further theoretical and practical developments are necessary to address mankind's growing demands on the environment. This book covers the developments relating to construction and the environment, including engineered disposal of wastes.