

1. Record Nr.	UNINA9910299553903321
Titolo	Recent Trends in Modelling of Environmental Contaminants [[electronic resource]] / / edited by Debashish Sengupta
Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2014
ISBN	81-322-1783-7
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (250 p.)
Disciplina	363.738
Soggetti	Geotechnical engineering Environmental management Environmental monitoring Geotechnical Engineering & Applied Earth Sciences Water Policy/Water Governance/Water Management Monitoring/Environmental Analysis
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 at the end of each chapters.
Nota di contenuto	Radiometric Studies and Base Line Calibrations for NORM and TENORM Studies -- Arsenic Fate and Transport in the Groundwater-soil-plant System: An Understanding of Suitable Rice Paddy Cultivation in Arsenic Enriched Areas -- Geophysical Signatures for Detection of Fresh Water and Saline Water Zones -- Prevention and Treatment of Acid Mine Drainage: An Overview -- Very Low Frequency Electromagnetic Method - A Shallow Subsurface Investigation Technique for Geophysical Applications -- Treatment of Industrial Wastewater -- Environmental Effects of the Fukushima Daiichi Nuclear Power Plant Accident -- Applications of Remote Sensing, GIS and Geostatistics in the Study of Arsenic Contamination in Groundwater -- Modeling Radon behaviour for Characterizing and Forecasting Geophysical Variables at the Atmosphere-soil Interface.
Sommario/riassunto	The book deals primarily with the aspects like energy resources and its proper utilization, disposal of various forms of wastes and its effects, and effects of major catastrophic events like nuclear disasters, global warming, etc. It also deals with the choice of suitable disposal sites for

solid and hazardous waste, which is growing at an extremely rapid pace due to rapid industrialization, population growth (primarily in countries like India and China) and urbanization. In addition groundwater contamination due to various causes and its effect on the food chain is also amply discussed. The book is specifically aimed with the state-of-art information regarding research and development in these areas of study, coupled to extensive modelling and case based results obtained, both from India as well as other countries. The book is extremely instructive for the students, research workers, scientists, faculty members in Applied Physics, Solid Earth Geophysics, Radiometric Methods and Exploration, Ground Water Geochemistry, Mathematical Modeling Techniques in Earth Sciences, Near Surface Geophysics and Earth and Environmental Sciences.
