

1. Record Nr.	UNINA9910955169503321
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Titolo	Hazardous waste : classifications and treatment technologies / / Reda R. Sheha and Hanan H. Someda
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-60876-526-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (117 p.)
Altri autori (Persone)	SomedaHanan H
Disciplina	628.4/2
Soggetti	Hazardous wastes - Classification Hazardous wastes - Management Radioactive wastes - Characterization
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 (p. [91]-96) and index.
Nota di contenuto	Intro -- HAZARDOUS WASTE:CLASSIFICATIONS ANDTREATMENT TECHNOLOGIES -- HAZARDOUS WASTE:CLASSIFICATIONS ANDTREATMENT TECHNOLOGIES -- CONTENTS -- PREFACE -- 1. INTRODUCTION -- 2. IDENTIFICATION OF HAZARDOUS WASTES -- 3. CLASSIFICATIONS AND SOURCES OFHAZARDOUS WASTES -- 3.1. ORGANIC INGREDIENTS -- 3.1.1. Industrial Organic Wastes -- 3.1.2. Radioactive Organic Wastes -- 3.2. INORGANIC INGREDIENTS -- 3.2.1. Industrial Wastes -- 3.2.2. Radioactive Materials -- 4. TOXICOLOGY OF COMMON POLLUTANTS -- 4.1. ORGANIC CONTAMINANTS -- 4.2. INORGANIC CONTAMINANTS -- 5. MANAGEMENT OF HAZARDOUS WASTES -- 6. STAGES OF HAZARDOUS WASTETREATMENT -- 6.1. PRELIMINARY TREATMENT -- 6.2. PRIMARY TREATMENT -- 6.3. SECONDARY TREATMENT -- 6.4. TERTIARY TREATMENT -- 6.5. QUATERNARY TREATMENT -- 7. WASTE TREATMENT STRATEGIES -- 7.1. ORGANIC WASTE TREATMENT -- 7.1.1. Incineration -- 7.1.2. Degradation Options -- 7.1.3. Biological Treatment -- 7.1.4. Sorption Trends -- 7.2. INORGANIC WASTE TREATMENT -- 7.2.1. Physical Processes -- 7.2.2. Chemical Processes -- 8. HAZARDOUS WASTE TREATMENT -- 8.1. ADSORBENTS DEVELOPMENT -- 8.1.1. Adsorbents Characterizations -- 8.2. REMOVAL OF ORGANIC INGREDIENTS -- 8.2.1. Adsorption Studies -- 8.2.2. Adsorption Kinetics -- 8.2.3. Adsorption Dynamics -- 8.2.4. Case Study -- 8.3. REMOVAL OF

Sommario/riassunto

This book reviews the environmental pollution caused by anthropogenic impacts that represents a big challenge facing contemporary science and technology. As a result of the civilisation-technogenic activities, a large amount of toxins of both organic and inorganic natures have been discharged and continue entering the environment. Many of them are extremely hazardous to people and living matter wherever the radioactive contamination represents a specific issue and requires special consideration. Specifying the primary sources of these toxins, their classifications, characterization and acute toxicity, studying their speciation and developing the remediation approaches are the most serious, economical and social problems in many countries. The solution of these problems should be, firstly, based on a wide radioecological monitoring which demands a continual routine analysis of various biological and environmental samples for their contents and occurrence forms of the traced pollutants. Secondly, the efforts must be directed to develop low cost treatment technologies can be effectively applied in treatment of hazardous materials from aqueous solutions. Hence, the hazardous wastes identification and categorisation, in addition to, the applied remediation options are highlighted below.
