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# Handbook Of Solid Waste Management

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Waste

Improving Municipal Solid Waste Management in India

Waste Age and Recycling Times

Air and Water Pollution Control

Handbook of Solid Waste Management

Solid Waste Management

International Best Practices and Case Studies

A Practical Guide

A Sourcebook for Policymakers and Practitioners

Solid Waste Technology and Management, 2 Volume Set

Materials and Energy Recovery

Handbook of Sustainable Concrete and Industrial Waste Management

Seminars on Environmental Problems, Programs, and Prospects

Full cost accounting for municipal solid waste management a handbook.

State-of-the-art for Practitioners, Analysts, and Scientists

Handbook of Solid Waste Management

Handbook of Solid Waste Disposal

Handbook of solid waste technology & management

Integrated Solid Waste Management: Engineering Principles and Management Issues

Sustainable Solid Waste Management

International Trade in Hazardous Wastes

The Routledge Handbook of Waste Studies

A Systems Engineering Approach

A Handbook on Solid Waste Management

Sustainability through Circular Economy

Design of Landfills and Integrated Solid Waste Management

Handbook of Electronic Waste Management

Recycled and Artificial Aggregate, Innovative Eco-friendly Binders, and Life Cycle Assessment

The Solid Waste Handbook

Handbook on Waste Management

Handbook of Recycling

Handbook of Solid Waste Management and Waste Minimization Technologies

Sustainable Solid Waste Management

A Handbook for Management

Handbook of Environment and Waste Management

Handbook of Solid Waste Management

Handbook of Solid Waste Management

Handbook of Research on Microbial Tools for Environmental Waste Management

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## **PATEL WIGGINS**

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*Waste* DIANE Publishing

By combining integrated solid waste management with the traditional coverage of landfills, this new edition offers the first comprehensive guide to managing the entire solid waste cycle, from collection, to recycling, to eventual disposal. \* Includes new material on source reduction, recycling, composting, contamination soil remediation, incineration, and medical waste management. \* Presents up-to-date chapters on bioreactor landfills, wetland mitigation, and landfill remediation. \* Offers comprehensive coverage of the role of geotechnical engineering in a wide variety of environmental issues.

**Improving Municipal Solid Waste Management in India** John Wiley & Sons

With specialized and succinct coverage, Concise Handbook of Waste Treatment Technologies provides readers with an integrated overview of various waste treatment technologies and related issues. Rather than dealing separately with each type of waste material, the book summarizes important waste treatments from a holistic perspective. Presents a comprehensive review of the most used terminologies and methods in waste management Explains how waste materials are treated and managed in a manner compatible with engineering, health, safety, and environmental regulations and laws Includes discussion of basic solid, liquid, and gaseous wastes Accessible to both specialists and non-specialists This guidebook is written for early career professionals, non-specialists, and specialists in environmental and chemical engineering and related disciplines seeking to understand proper waste and management and disposal techniques.

*Waste Age and Recycling Times* CRC Press

The remediation of environmental pollutants has become a relevant topic within the field of waste management. Advances in biological approaches are a potential tool for contamination and pollution control. The Handbook of Research on Microbial Tools for Environmental Waste Management is a critical scholarly resource that explores the advanced biological approaches that are used as remediation for pollution cleanup processes. Featuring coverage on a broad range of topics such as biodegradation, microbial dehalogenation, and pollution controlling treatments, this book is geared towards environmental scientists, biologists, policy makers, graduate students, and scholars seeking current research on environmental engineering and green technologies.

*Air and Water Pollution Control* Woodhead Publishing

It is necessary to understand the extent of pollution in the environment in terms of the air, water, and soil in order for both humans and animals to live healthier lives. Poor waste treatment or pollution monitoring can lead to massive environmental issues, such as diminishing valuable resources, and cause a significant negative impact on society. Solutions, such as reuse of waste and sustainable waste management, must be explored to prevent these adverse effects. The Handbook of Research on Resource Management for Pollution and Waste Treatment is a collection of

innovative research that examines waste and pollution treatment methods that can be adopted at local and international levels and examines appropriate resource management strategies for environmentally related issues. Featuring coverage on a wide range of topics such as soil washing, bioremediation, and runoff handling, this book is ideally designed for environmentalists, engineers, waste management professionals, natural resource regulators, environmental policymakers, scientists, academicians, researchers, and students seeking current research on viable resource management methods for the regeneration of their immediate environment.

**Handbook of Solid Waste Management** Springer Science & Business Media

The Handbook of Environment and Waste Management, Volume 1, Air and Water Pollution Control, is a comprehensive compilation of topics that are at the forefront of many technical advances and practices in air and water pollution control. These include air pollution control, water pollution control, water treatment, wastewater treatment, industrial waste treatment and small scale wastewater treatment. Internationally recognized authorities in the field of environment and waste management contribute chapters in their areas of expertise. This handbook is an essential source of reference for professionals and researchers in the areas of air, water, and waste management, and as a text for advanced undergraduate and graduate courses in these fields.

*Solid Waste Management* Routledge

A junior/senior-level introductory text aimed at civil and environmental engineers taking a basic introduction to Solid Waste Management. The text includes the latest 1990-1991 laws and regulations.

*International Best Practices and Case Studies* Elsevier

Presenting effective, practicable strategies modeled from ultramodern technologies and framed by the critical insights of 78 field experts, this vastly expanded Second Edition offers 32 chapters of industry- and waste-specific analyses and treatment methods for industrial and hazardous waste materials-from explosive wastes to landfill leachate to w

*A Practical Guide* Edward Elgar Publishing

This book presents the application of system analysis techniques with case studies to help readers learn how the techniques can be applied, how the problems are solved, and which sustainable management strategies can be reached.

*A Sourcebook for Policymakers and Practitioners* Butterworth-Heinemann

Industrial Waste Treatment Handbook provides the most reliable methodology for identifying which waste types are produced from particular industrial processes and how they can be treated. There is a thorough explanation of the fundamental mechanisms by which pollutants become dissolved or become suspended in water or air. Building on this knowledge, the reader will learn how different treatment processes work, how they can be optimized, and the most efficient method for selecting candidate treatment processes. Utilizing the most up-to-date examples from recent work at one of the leading environmental and science consulting firms, this book also illustrates approaches to solve various environmental quality problems and the step-by-step design of facilities. Practical

applications to assist with the selection of appropriate treatment technology for target pollutants. Includes case studies based on current work by experts in waste treatment, disposal, management, environmental law and data management. Provides glossary and table of acronyms for easy reference.

**Solid Waste Technology and Management, 2 Volume Set** John Wiley & Sons

The significant challenges associated with managing waste continues to attract international scholarly attention. This international handbook scrutinizes both developed and developing economies. It comprises original contributions from many of the most prominent scholars researching this topic. Consisting primarily of empirical research efforts - though theoretical underpinnings are also explored thoroughly - the Handbook serves to further the understanding of the behaviors of waste generators and waste processors and the array of policies influencing these behaviors.

*Materials and Energy Recovery* IGI Global

Winner of the International Solid Waste Association's 2014 Publication Award, Handbook of Recycling is an authoritative review of the current state-of-the-art of recycling, reuse and reclamation processes commonly implemented today and how they interact with one another. The book addresses several material flows, including iron, steel, aluminum and other metals, pulp and paper, plastics, glass, construction materials, industrial by-products, and more. It also details various recycling technologies as well as recovery and collection techniques. To completely round out the picture of recycling, the book considers policy and economic implications, including the impact of recycling on energy use, sustainable development, and the environment. With contemporary recycling literature scattered across disparate, unconnected articles, this book is a crucial aid to students and researchers in a range of disciplines, from materials and environmental science to public policy studies. Portrays recent and emerging technologies in metal recycling, by-product utilization and management of post-consumer waste. Uses life cycle analysis to show how to reclaim valuable resources from mineral and metallurgical wastes. Uses examples from current professional and industrial practice, with policy and economic implications.

*Handbook of Sustainable Concrete and Industrial Waste Management* John Wiley & Sons

This volume provides in-depth coverage of environmental pollution sources, waste characteristics, control technologies, management strategies, facility innovations, process alternatives, costs, case histories, effluent standards, and future trends in waste treatment processes. It delineates methodologies, technologies, and the regional and global effects of important pollution control practices. It focuses on specific industrial and manufacturing wastes and their remediation. Topics include: heavy metals, electronics, chemical, and textile manufacturing.

*Seminars on Environmental Problems, Programs, and Prospects* Butterworth-Heinemann

This Handbook is an authoritative reference for process and plant engineers, water treatment plant operators and environmental consultants. Practical information is provided for application to the treatment of drinking water and to industrial and municipal wastewater. The author presents material for those concerned with meeting government regulations, reducing or avoiding fines for violations, and making cost-effective decisions while producing a high quality of water via physical, chemical, and thermal techniques. Included in the texts are sidebar discussions, questions for

thinking and discussing, recommended resources for the reader, and a comprehensive glossary. Two companion books by Cheremisinoff are available: Handbook of Air Pollution Control Technologies, and Handbook of Solid Waste Management and Waste Minimization Technologies. \* Covers the treatment of drinking water as well as industrial and municipal wastewater \* Cost-efficiency considerations are incorporated in the discussion of methodologies \* Provides practical and broad-based information in one comprehensive source

*Full cost accounting for municipal solid waste management a handbook.* CRC Press

Written by leading practitioners, this updated edition looks at household hazardous waste and its collection/management, including chapters on planning a facility, marketing to affect behavior change, and encouraging extended product stewardship. Includes information on new regulations and advances and a comprehensive reference section.

*State-of-the-art for Practitioners, Analysts, and Scientists* Elsevier

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**Handbook of Solid Waste Management** CRC Press

This book discusses the need for a regulated and informed forum for international trade in hazardous waste. The authors argue that with careful planning, health and ecological risks can be minimized and net economic benefits realized fairly. The book examines the key parameters that should be considered by potential trading nations to ensure an optimally safe and mutually beneficial partnership. The authors provide comprehensive coverage of the political, environmental, industrial and economic issues involved in this complex and increasingly controversial practice.

*Handbook of Solid Waste Disposal* McGraw Hill Professional

Radioactive wastes are generated from a wide range of sources, including the power industry, and medical and scientific research institutions, presenting a range of challenges in dealing with a diverse set of radionuclides of varying concentrations. Conditioning technologies are essential for the encapsulation and immobilisation of these radioactive wastes, forming the initial engineered barrier required for their transportation, storage and disposal. The need to ensure the long term performance of radioactive waste forms is a key driver of the development of advanced conditioning technologies. The Handbook of advanced radioactive waste conditioning technologies provides a comprehensive and systematic reference on the various options available and under development for the treatment and immobilisation of radioactive wastes. The book opens with an introductory chapter on radioactive waste characterisation and selection of conditioning technologies. Part one reviews the main radioactive waste treatment processes and conditioning technologies, including volume reduction techniques such as compaction, incineration and plasma treatment, as well as encapsulation methods such as cementation, calcination and vitrification. This coverage is extended in part two, with in-depth reviews of the development of advanced materials for radioactive waste conditioning, including geopolymers, glass and ceramic matrices for nuclear waste immobilisation, and waste packages and containers for disposal. Finally, part three reviews the long-term performance assessment and knowledge management techniques applicable to both spent nuclear fuels and solid radioactive waste forms. With its distinguished international team of contributors, the Handbook of advanced radioactive waste conditioning technologies is a standard reference for all radioactive waste management professionals, radiochemists, academics and researchers involved in

the development of the nuclear fuel cycle. Provides a comprehensive and systematic reference on the various options available and under development for the treatment and immobilisation of radioactive wastes Explores radioactive waste characterisation and selection of conditioning technologies including the development of advanced materials for radioactive waste conditioning Assesses the main radioactive waste treatment processes and conditioning technologies, including volume reduction techniques such as compaction

**Handbook of solid waste technology & management** World Scientific

Handbook of Electronic Waste Management: International Best Practices and Case Studies begin with a brief summary of the environmental challenges associated with the approaches used in international e-waste handling. The book's authors offer a detailed presentation of e-waste handling methods that also includes examples to further demonstrate how they work in the real world. This is followed by data that reveals the geographies of e-waste flows at global, national and subnational levels. Users will find this resource to be a detailed presentation of e-waste estimation methods that also addresses both the handling of e-waste and their hazardous effect on the surrounding environment. Includes case studies to illustrate the implementation of innovative e-waste treatment

technologies Provides methods for designing and managing e-waste management networks in accordance with regulations, fulfilment obligations and process efficiency Reference guide for adapting traditional waste management methods and handling practices to the handling and storage of electronic waste until disposal Provides e-waste handling solutions for both urban and rural perspectives

Integrated Solid Waste Management: Engineering Principles and Management Issues Springer

Handbook of Solid Waste Management McGraw Hill Professional

**Sustainable Solid Waste Management** CRC Press

This book compiles many different treatment options and best practices for the treatment and recycling of municipal solid waste from all over the globe, factoring in cost-effectiveness, sanitation, and environmental degradation. Important to professors, researchers, students, policymakers, and municipal offices, this informed book looks into innovative waste management systems from a number of developing countries, which may prove useful to developed countries of the world as well. This book is unique in that it focuses on state-of-the-art urban solid waste management and future trends.