The Waste Crisis: Roadmap for Sustainable Waste Management in Developing Countries
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DESCRIPTION

The Waste Crisis

Explore modern solutions to the most critical issues in waste management policy and design

In *The Waste Crisis: Roadmap for Sustainable Waste Management in Developing Countries*, an accomplished team of sustainability researchers deliver a concise insight of modern waste management practices that acts as a handbook for waste management professionals. Along with flow charts and example problems, the authors offer readers the information necessary to support decision making based on country, city size, population, waste generation volume, type, geographical location, and more.

The book begins with an overview of current waste management practices, including waste generation, collection, processing, composting, recycling, and disposal. It moves on to a series of case studies from over ten countries and presentations of sustainable waste management strategies. *The Waste Crisis: Roadmap for Sustainable Waste Management in Developing Countries* concludes with a series of practical and effective final recommendations for future best practices. It also includes:

- Practical discussions of material flow, cost-effective material recovery, anaerobic digestion, composting, recycling, disposal, training, and human capacity building

- Comprehensive explorations of unique and robust decision-making strategies for designers, policy makers, and regulators

- In-depth treatments of ready-to-implement waste management systems perfect for systems designers
The Waste Crisis: Roadmap for Sustainable Waste Management in Developing Countries is an indispensable resource for waste, recycling, and resource management professionals. It’s also perfect for waste management system designers and decision makers seeking a one-stop guide to issues of sustainability in the developing world.

ABOUT THE AUTHOR

Sahadat Hossain, Director, Solid Waste Institute for Sustainability, Professor, Department of Civil Engineering, The University of Texas at Arlington, USA Prof. Hossain has over 20 years of professional and research experience in sustainable waste management, landfill, landfill gas to energy and landfill mining. He is working on research, development and implementation of innovative solutions for sustainable waste management and to provide support for waste management in USA and developing countries. He has worked with many African countries including Ghana, Nigeria, Tanzania, Kenya, and has ongoing projects on Sustainable Waste Management in Ethiopia. Prof. Hossain is the founding director of the Solid Waste Institute for Sustainability (SWIS), established in 2015. The mission of SWIS is to work on developing clean and healthy urban cities through sustainable waste management. As part of the SWIS mission, Prof. Hossain has organized the Sustainable Waste Management and Landfill Training program for participants from around the world, in collaboration with the International Solid Waste Association (ISWA).

SERIES

International Solid Waste Association

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