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Altri autori (Persone)	KumarRavinder KumarVinod
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Nota di contenuto	Chapter 1. Fundamentals and Principles of waste management -- Chapter 2. Current Scenario of Waste management in India -- Chapter 3. Sustainable E-waste management and its effect on environment and human health -- Chapter 4. Management of Industrial Hazardous and non-hazardous Waste -- Chapter 5. Waste to wealth: Agricultural waste management -- Chapter 6. Waste to energy: Key element for Sustainable waste management -- Chapter 7. Emerging Applications of Photocatalysis in Wastewater Treatment -- Chapter 8. An opportunity for the entrepreneurs in waste management -- Chapter 9. Understanding the Radioactive Waste Management Practices -- Chapter 10. Municipal Solid Waste and Climate Change -- Chapter 11. Insights into waste management at institutional level: An approach towards zero waste Campus -- Chapter 12. Recent Advances in waste water treatment -- Chapter 13. Valorizing cellulosic biomass waste into valuable nano biosorbents -- Chapter 14. Improving waste

management using IoT -- Chapter 15. Solid and liquid waste Management in Urban and Rural areas: Current practices and future perspectives -- Chapter 16. Development of technologies for municipal solid waste management: Current status, challenges, and future perspectives -- Chapter 17. Need of the Hour to Manage Biomedical Waste in Hospitals: An Emerging Issue -- Chapter 18. Advances and current approaches to recycle plastic waste. etc.

Sommario/riassunto

This book explores a diverse spectrum of waste materials, encompassing industrial hazardous and non-hazardous waste, agricultural waste, biomass waste, radioactive waste, municipal solid and liquid waste, as well as e-waste, and investigates their adverse impacts on the environment. It is an exciting exploration of various approaches to waste management, highlighting the importance of adopting sustainable practices such as the 7Rs principle, utilization of nanomaterials and photocatalysis, zero waste management techniques, recycling and upcycling techniques, and IoT-enabled strategies. It provides a critical assessment of the challenges and opportunities in transforming waste into value-added products for the industry. This book is designed to provide constructive insights for researchers, environmentalists, policy makers and professionals engaged in enhancing waste management, fuelling the circular economy, and paving the way for a sustainable future.
