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Nota di contenuto	Section A: Solid waste management -- 1. Earthworm Technology – A Promising Tool for Second Green Revolution -- 2. Recycling of Industrial and Municipal Solid Wastes in Cement Based Applications -- 3. Municipal Solid Waste Collection time optimization using AHP, GMDH and ANN -- 4. Reusing and Recycling of granite slurry in construction industry -- 5. Designing and Utilizing of the Solar Water heater for Digestion of Lignocellulosic Biomass -- 6. Comparison of plant tolerance towards air pollution of rural, urban and mine sites of Jharkhand: a biochemical approach to identify air pollutant sink -- 7. Trend analysis of long-term MSW leachate characteristics -- 8. Experimental Investigation for the Feasible Applications of Processed Recyclable Plastic Waste in Construction Sector -- 9. Estimation of

Landfill Gas Using Genetic Programming -- 10. Credibilistic TOPSIS Model for Evaluation and Selection of Municipal Solid Waste Disposal Methods -- 11. Influence of Recycling on the Thermal Properties of Municipal Solid Waste -- 12. Enzymatic Application in Anaerobic Digestion (AD) of Organic Fraction of the Municipal Solid waste (OFMSW) -- 13. Significance of Presence of Asbestos in Construction and Demolition Wastes in India -- 14. Development of GIS-based optimization method for selection of transportation routes in municipal solid waste management -- 15. Investigating the Effect of Anaerobic Co-Digestion of Poultry Manure with Lawn Grass Cuttings -- 16. Agricultural waste utilization in sustainable and resilient construction -- 17. Performance Evaluation of Low Cost Microbial Fuel Cell Employing Clayware Separator of Different Thickness -- 18. Characterization and Disposal of Ashes from Biomedical Waste Incinerator -- 19. Prospects of utilization of liquid fraction of biogas digestate as substrate supplement for mushroom cultivation -- 20. Characterization of Market Solid Waste at Source in Kolhapur city, Maharashtra, India -- 21. Utilization of thermal power plant by-product fly ash in waste management -- 22. Assessment of bio-medical waste management in different hospitals in Aligarh City -- 23. Extraction of Cu and Zn from High Grade Printed Circuit Board Scraps by Conventional and Hybrid Bioleaching -- 24. High energy absorbent sustainable concrete element from used tin cans -- 25. Analyzing the Strength Behavior of Cement Composites with Waste Glass Fibers -- Section B: Water and wastewater treatments and other environmental concerns -- 26. Electrochemical degradation of Reactive Red-195 and Reactive Yellow-81 in continuous flow reactor -- 27. Utilization of Water Treatment Plant (WTP) Sludge for Pretreatment of Dye Wastewater Using Coagulation/ Flocculation -- 28. Surface Water Quality Modeling by Regression Analysis and Artificial Neural Network -- 29. Removal of fluoride from groundwater by adsorption onto Brick Powder-Alum-Calcium infused adsorbent -- 30. Trihalomethanes Occurrence in Chlorinated Treated Effluents at Sewage Treatment Plants of North-Indian Region -- 31. Layout optimization of sewer network using minimum cumulative flow in the sewer network -- 32. Improving the hydrophilicity of polysulfone membrane by the addition of imidazol with polyvinyl pyrrolidone for crystal violet dye removal -- 33. Effectiveness study of dolochar as a filter media in wastewater filtration -- 34. Bio-inspired facile and green synthesis of Au@Ag@AgCl nanoparticles using Benincasa hispida peel extract and their photocatalytic activity for the removal of toxic dye under solar irradiation -- 35. Biochemical changes in Lantana camara and Ipomoea aquatica growing in the fly ash amended soil -- 36. Integrated Water Hyacinth Control and Waste Management Plan: A Case of Futala Lake, Nagpur -- 37. Significance of Addressing Persistence of Pathogens and Micropollutants to Enhance Reuse of Treated Sewages Using Constructed Wetlands -- 38. A Review on GIS-Based Approach for Road Traffic Noise Mapping -- 39. A Review on Nitration Process -- 40. Emissions Associated with the Transportation of Municipal Solid Waste in Mumbai.

Sommario/riassunto

This book presents some of the latest technologies in waste management, and emphasizes the benefits that can be gained from the use of recycled products. Divided into four sections, it deals with phytoremediation, aquatic weed management and the treatment of solid- and water-based wastes, such as those arising from agricultural, industrial and medical activities. With its special emphasis on the utilization of recycled products, this volume will be of interest to students, academics, policy makers and others who have share a

practical and academic interest in dealing with the waste society
generates.
