1. Record Nr. UNINA9910872196303321 Autore Kumar Vineet Titolo Environmental Engineering and Waste Management: Recent Trends and Perspectives Cham:,: Springer International Publishing AG,, 2024 Pubbl/distr/stampa ©2024 **ISBN** 9783031584411 9783031584404 Edizione [1st ed.] Descrizione fisica 1 online resource (751 pages) Altri autori (Persone) BhatSartai Ahmad KumarSunil VermaPradeep Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Intro -- Preface -- Acknowledgments -- Contents -- Contributors --Nota di contenuto About the Editors -- Part I: Waste and Impact -- Chapter 1: Emerging Contaminants of Tannery Sludge and Their Environmental Impact and Health Hazards -- 1 Introduction -- 2 The Tanning Process -- 3 Typical Features of Waste Produced -- 3.1 Liquid Waste -- 3.2 Solid Waste -- 3.3 Gaseous Waste -- 4 Effect of Waste on the Environment -- 4.1 Toxicity Associated with Chromium -- 4.2 Toxicity Associated with Lead -- 4.3 Toxicity Associated with Cadmium -- 4.4 The Soil System -- 4.5 The Water System -- 4.6 The Atmospheric System -- 4.7 Vegetable and Plant Growth -- 5 Management of the Emerging Contaminants in the Polluted Environment -- 6 Challenges and Future Perspectives -- 7 Conclusions -- References -- Chapter 2: Municipal Solid Waste Collection, Transportation, and Segregation -- 1 Introduction -- 2 Municipal Solid Waste -- 2.1 Sources -- 2.2 Composition -- 2.2.1 Physical Composition -- 2.2.2 Parameters Affecting the Physical Composition of Waste -- 2.2.2.1 Topography --2.2.2.2 Season and Climate -- 2.2.2.3 Income -- 2.3 Impact on the Environment -- 2.3.1 Air Pollution -- 2.3.2 Water Pollution -- 2.3.3

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