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Nota di contenuto	Intro -- Contents -- Design of a Proper Recycling Process for Small-Sized E-Waste -- 1 Introduction -- 2 Mobile Phones -- 3 LED Lamps -- 4 Computers -- 5 Electrical Wires and Cables -- 6 Final Remarks -- References -- Sustainable Bioprospecting of Electronic Waste via Omics-Aided Biometallurgy -- 1 Introduction -- 2 Global Distribution of E-waste -- 2.1 E-waste Scenario in West Africa -- 3 Composition and Nature of E-waste -- 3.1 Precious Metals -- 3.2 Rare Earth Elements (REE) -- 4 Biometallurgy -- 4.1 Approaches Adopted in Biometallurgy -- 4.2 The Biometallurgical Process -- 5 Bioprospecting of Metal Recovery Microorganisms Using Omics Technologies -- 5.1 Application of Omics in Studying Bioleaching Communities -- 5.2 Omics in Rewiring the Metabolic Pathways -- 6 Conclusion -- References -- Diverse Technological Initiatives for E-Waste Management and Its Impact on Ecosystem -- 1 Introduction -- 2 Categories of E-Waste -- 3 Existence Elements in E-Waste -- 4 Generation of E-Waste at Global Level -- 5 Recovering of Valuable Metals from E-Waste -- 6 Biotechnological Recycling of E-Wastes -- 7 Tokyo Olympic 2020 Medals Made from Electronic Scrap: An Initiative for an Innovative Future for All -- 8 Impacts of E-Waste on the Ecosystem -- 8.1 Atmospheric Environment -- 8.2 Terrestrial Environment -- 8.3 Aquatic Environment -- 9 Impacts of E-Waste on Human Health -- 10 E-Waste Management Rules -- 11 Approaches for Regulating of E-Waste -- 11.1 Life Cycle Assessment (LCA) -- 11.2

Material Flow Analysis (MFA) -- 11.3 Extended Producer Responsibility (EPR) -- 11.4 Multi-criteria Analysis (MCA) -- 12 Biotechnological Approach of E-Waste Recycling and Business Opportunities -- 13 Conclusion -- References -- Persistent Toxic Substances Released from Uncontrolled E-waste Recycling and Action for the Future -- 1 Introduction -- 1.1 What is E-waste? .
1.2 E-waste Challenges: A Global Scenario -- 1.3 The Role of Informal Sector in E-waste Recycling -- 2 Hazardous Substances Present in Electrical and Electronic Waste -- 3 Hazards Caused by Imprudent E-waste Management -- 3.1 Heavy Metals: Impact on Health and Environment -- 3.2 Hazards Caused by Dioxins on Human and Nature -- 3.3 Noxious Polycyclic Aromatic Hydrocarbons and Their Health Impact -- 3.4 Challenges and Opportunities in Substituting Toxicants in E-products -- 3.5 Action to Replace PVC and PBDE -- 4 Future Prospective -- References -- Overview of E-Waste Reverse Logistics: How to Promote the Return of Electronic Waste to the Production Chain -- 1 Introduction -- 2 Reverse Logistics System in the World -- 3 Reverse Logistics System in Brazil -- 4 Recycling and Processing of WEEE-Private Companies and Cooperatives -- 5 Final Remarks -- References -- E-Plastic Waste Use as Coarse-Aggregate in Concrete -- 1 Introduction to E-Plastic Wastes -- 2 E-Plastic Types, Composition, and Potential Reuses -- 2.1 Types and Composition of E-Plastics -- 2.2 E-Plastic Waste Application in Construction Industry -- 2.3 Preparation of E-Plastic Waste for Use in Concrete -- 3 Material Properties of E-Plastic Aggregates -- 3.1 Aggregate Crushing Value and Impact Value -- 3.2 Specific Gravity -- 3.3 Bulk Density -- 4 Properties of Concrete Containing E-Plastic Waste Aggregates -- 4.1 Physical and Mechanical Properties -- 4.2 Durability Properties of Concrete Containing E-Plastic Waste Aggregates -- 4.3 Thermal Properties of E-Plastic Concrete -- 5 Conclusion -- References -- Recycling of Mobile Phones: Case Study of the Lithium-Ion Cell Phone Batteries in Brazil -- 1 Introduction -- 2 Materials and Methods -- 2.1 Materials -- 2.2 Functional Unit -- 2.3 Process Flow -- 2.4 System Boundaries -- 2.5 Leaching LCA -- 3 Results and Discussion. 3.1 General Composition of Batteries -- 3.2 Application of LCA to Chemical Reprocessing of Cell Phone Batteries -- 3.3 Assessment of Environmental Impacts in the Life Cycle -- 3.4 Potential Environmental Impacts of Acids on Acid Leaching -- 3.5 Potential Impacts on the Recovery of Cobalt and Lithium -- 3.6 Comparison of Potential Environmental Impacts -- 3.7 Sensitivity Analysis -- 4 Conclusions -- References -- A Bibliometric Approach to the Current State of the Art of Risks in E-waste Supply Chains -- 1 Introduction -- 2 Literature Review -- 2.1 E-Waste Management -- 2.2 Supply Chain Challenges -- 2.3 Bibliometry -- 3 Methodology -- 3.1 Formulate Research Question -- 3.2 Database Selection -- 3.3 Search Terms Definition -- 3.4 Bibliometric Analysis -- 4 Results of Bibliometric Study -- 4.1 (RQ1) Which are the Leading Research Countries Considering E-waste Management? -- 4.2 (RQ2) Which are the Most Relevant Sources and Main Topics Covered by the Most Cited Papers? -- 4.3 (RQ3) Which are the Main Concepts Associated with E-waste Management? -- 4.4 (RQ4) Which are the Main Research Gaps Considering E-waste Management? -- 5 Discussion -- 6 Conclusions -- References -- E-Waste Management Strategies Across Recycling Industry of Northern India: An Empirical Investigation -- 1 Introduction -- 2 Literature Review -- 3 Research Design -- 4 Results and Discussion -- 5 Results Discussion of the Findings -- 6 Correlation Analysis -- 7 Regression Analysis -- 8 Conclusions and Limitation -- References -- Circular E-Waste Supply Chains' Critical Challenges:

An Introduction and a Literature Review -- 1 Introduction -- 2 Literature Review -- 2.1 E-Waste -- 2.2 Strategies for E-Waste Management -- 2.3 E-Waste Supply Chains -- 3 Methodology -- 3.1 Formulate Research Question -- 3.2 Database Selection -- 3.3 Search Terms Definition -- 3.4 Screening Process.
4 The Constructs of a Circular WEEE Economy -- 4.1 Circular Economy -- 4.2 E-Waste Management -- 4.3 Closed-Loop Supply Chains -- 4.4 Supply Chain Resilience -- 4.5 Smart Cities -- 4.6 Integrated Framework -- 5 Discussion -- 5.1 Culture-Customers Must Contribute to the Process -- 5.2 Channel Integration-Omnichannel Approach -- 6 Conclusions -- References -- Sustainable Use of Plastic E-Waste with Added Value -- 1 Introduction -- 2 Case Study of Low-Margin High-Turnover Products: Outdoor Luminaries -- 3 Case Study of High-Margin Low-Turnover Products: Design Objects -- 4 Concluding Remarks -- References.
