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Nota di contenuto	Table of content -- 1. Introduction -- 2. Eco- Innovation -- 3. Circular Fashion -- 4. Eco-design of Textiles -- 5. Sustainable Raw Materials -- 6. Sustainable Production Practices -- 7. Life Cycle Assessment of Textile Products -- 8. Recycling of Textiles -- 9. Value Retention Strategies in Circularity -- 10. Circular Textile Business Model -- 11. Generation, Assessment, and Mitigation of Microplastics -- 12. Regulation in Recycling and Circularity: Future prospective.
Sommario/riassunto	This book explains the basic principles of recycling and circularity in textiles. With the emergence of "quick fashion," textile manufacturing has expanded significantly over the past few decades. The importance of textiles to human society goes beyond their practical uses in providing warmth, protection, and comfort. Therefore, the usage and production of textiles are enhanced substantially compared to the past

globally. As a result, rates of textile production and trash output have grown drastically. The other side of the story is the drastic rate at which they are dumped into landfills which is almost a garbage truck every second. If this alarming trend continues, there will be serious environmental consequences. It is well known that the textile sector is recognized as the second largest industrial polluter in the world, producing 20% of the global wastewater and accounting for 10% of carbon emissions. Additionally, harmful chemicals are utilized and emitted during the manufacture of textiles, which has an impact on ecosystems and public health. The last 150 years of the textile industrial system fundamentally follow the "take-make-dispose" principle, in which resources are continuously taken out of a natural system (take), changed during production (make), and used for various purposes within the human system (use), and then released back into the environment (dispose of). In this way, manufacturing industries produce waste-producing commodities to make money, which eventually has a negative impact leading to the lack of resources resulting in price volatility, uncertainty, and economic crises. This book consists of 11 potential chapters to cover all the aspects of "circularity in textiles." .
