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Altri autori (Persone)	ShabbirMohd
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Nota di contenuto	1. Introduction to biopolymers and their potential in the textile industry -- 2. Properties and performance of biopolymers in textile applications -- 3. Biopolymers in textile finishing and functionalization -- 4. Biopolymers in textile dyeing and printing -- 5. Applications of biopolymers in clothing and fashion -- 6. Biopolymers in technical textiles -- 7. Challenges and limitations of using biopolymers in the textile industry -- 8. Biopolymers in textile recycling and disposal -- 9. Biopolymers in textile-based filter materials -- 10. Biopolymers in textile-based insulation materials -- 11. Biopolymers in textile-based scaffolding and wound healing -- 12. Environmental impact and economic benefits of biopolymers in the textile industry -- 13. Future perspectives and potential areas of research in biopolymers for textile applications.

This book highlights the comprehensive overview of the current status and future potential of biopolymers in the textile industry, including the properties and performance of different types of biopolymers, the applications of biopolymers in various textile products, the challenges and limitations associated with their use, and the environmental impact and economic benefits of biopolymers in the textile industry. The textile industry is one of the largest and most important industries in the world, but it also has a significant environmental impact due to the use of non-renewable and non-biodegradable materials. Biopolymers, which are derived from renewable biological sources such as plants and microorganisms, have the potential to be a sustainable alternative to traditional textile materials. However, the use of biopolymers in the textile industry is still a relatively new and rapidly evolving field, and there is a need for more information and understanding about the opportunities and limitations associated with their use.
