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| Titolo                  | Advanced Technology in Textiles : Fibre to Apparel // edited by Md. Mizanur Rahman, Mohammad Mashud, Md. Mostafizur Rahman   |
| Pubbl/distr/stampa      | Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023   |
| ISBN                    | 981-9921-42-2  |
| Edizione                | [1st ed. 2023.]  |
| Descrizione fisica      | 1 online resource (350 pages)  |
| Collana                 | Textile Science and Clothing Technology, , 2197-9871   |
| Altri autori (Persone)  | MashudMohammad<br>RahmanMostafizur   |
| Disciplina              | 677.028  |
| Soggetti                | Building materials<br>Sustainability<br>Green chemistry<br>Wood, fabric, and textiles<br>Green Chemistry   |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Nota di contenuto       | 1. Introduction to Textiles and Textile Fibers -- 2. Management and Maintenance of Textile Machinery -- 3. Advanced technology in fabric manufacturing -- 4. Advanced technology in textile dyeing -- 5. Advanced technology in textile printing.  |
| Sommario/riassunto      | This book highlights the latest technology in textile processing along with the application of eco-friendly chemicals and reagents. As textile is the second basic human need, this industry assimilates a large share in the world economy. Nonetheless, nothing should be accomplished compromising sustainability; therefore updated technology and modern machineries are being used in the textile processing. It is not only for enhancing the efficiency but also to reduce waste and energy consumption. Moreover, Nano particles and Bio-chemicals are assumed to become integral part in the future manufacturing system. In this book, the numerical and investigation results will be presented to highlight the mentioned topics so that the application is lucidly comprehended. In a nutshell, this book is supposed to cover all the vibrant innovations in the manufacturing arena in textiles in consideration with ecological balance as well as breakthroughs in |

applied technology assumed to veer the general concept of maintenance of that machineries.

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