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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.