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Descrizione fisica	1 online resource (497 pages)
Altri autori (Persone)	MaitiSaptarshi KhanShafat Ahmad AdivarekarRavindra V
Disciplina	620.1
Soggetti	Building materials Sustainability Natural products Chemical engineering Polymers Wood, fabric, and textiles Natural Products Chemical Process Engineering
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Nota di contenuto	An overview of different techniques in textile coloration -- Sustainable Alternatives to Conventional Aqueous Dyeing in Textile Industries -- An Overview of Waterless Dyeing in Textile Industry: Advancements, Challenges, and Environmental Impact Analysis -- Air Dyeing and Dope Dyeing Technologies: Innovations in Textile Coloration -- Electrochemical dyeing in textile industry: a sustainable approach -- Renewable residues-derived dyes and mordants: progress and applications -- Chromatography of nature: Bio-mordants and the evolution of sustainable textile coloration -- Sustainable Fashion Through Naturally Tie-Dyed Textiles -- Microbial Colourants: Past, Present & Future.
Sommario/riassunto	The book highlights the latest innovations in sustainable textile dyeing

and printing, addressing the industry's growing need for eco-friendly solutions. This comprehensive book covers many topics, including waterless dyeing, air and dope dyeing technologies, electrochemical dyeing, and bio-based mordants and colorants. It also delves into microbial dyes, statistical approaches for optimizing coloration, and advanced surface modification techniques. Additionally, the book examines the evolution of textile printing from conventional to digital methods and discusses strategies for mitigating textile effluent pollution. With a strong emphasis on sustainability, this resource is invaluable for researchers, industry professionals, and academicians committed to advancing responsible textile coloration practices.

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