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Titolo	Sustainability in the Textile and Apparel Industries [[electronic resource]] : Sourcing Natural Raw Materials // edited by Subramanian Senthilkannan Muthu, Miguel Angel Gardetti
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ISBN	3-030-38541-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VII, 185 p. 147 illus., 125 illus. in color.)
Collana	Sustainable Textiles: Production, Processing, Manufacturing & Chemistry, , 2662-7108
Disciplina	363.731
Soggetti	Economic geography Sustainable development Textile industry Manufactures Motivation research (Marketing) Economic Geography Sustainable Development Textile Engineering Manufacturing, Machines, Tools, Processes Consumer Behavior
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1: The Effects of Ecological and Sustainable Chemical Surface Modification Methods On the Properties of Lignocellulose Based Fibers -- Chapter2: Sustainable plant based Natural Fibers -- Chapter3: COYOYO SILK: a potential sustainable luxury fiber -- Chapter4: Hemp fiber as a sustainable raw material source for textile industry: can we use its potential for more eco-friendly production? -- Chapter5: Sustainable antifungal and antibacterial textiles using natural resources.
Sommario/riassunto	This book is part of a five-volume set that explores sustainability in textile industry practices globally. Case studies are provided that cover the theoretical and practical implications of sustainable textile issues,

including environmental footprints of textile manufacturing, consumer behavior, eco-design in clothing and apparels, supply chain sustainability, the chemistry of textile manufacturing, waste management and textile economics. The set will be of interest to researchers, engineers, industrialists, R&D managers and students working in textile chemistry, economics, materials science, and sustainable consumption and production. This volume comprehensively covers the various sustainable natural materials used in textiles that originate from raw materials sourcing. The book discusses agricultural production systems and standards for the development of sustainable textile fibers, the effects of chemical surface modification methods on the properties of textile fibers, and how antibacterial and antifungal textiles can be manufactured using natural resources. .
