1. Record Nr. UNINA9911015873303321

Autore	Maiti Saptarshi
Titolo	Sustainable Coloration Techniques in Textiles / / edited by Saptarshi Maiti, Mohammad Shahid, Ravindra V. Adivarekar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9649-75-7
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (463 pages)
Altri autori (Persone)	ShahidMohammad AdivarekarRavindra V
Disciplina	620.1
Soggetti	Building materials Sustainability Chemical engineering Wood, fabric, and textiles Chemical Process Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Dyes and dyeing of textiles: An overview of sustainability issues -- 2. Sustainable Innovations in Textile Coloration Machinery and Process Enhancements -- 3. Waterless dyeing of textiles – A sustainable alternative to conventional wet processing -- 4. Emerging Trends in Solvent-Based Textile Dyeing -- 5. Ultrasound-Assisted Dyeing: Efficiency, Performance and Environmental Advantages.
Sommario/riassunto	This book highlights advanced sustainable techniques and innovations in textile coloration. It begins with an extensive overview of sustainability issues in textile dyeing, addressing environmental and ethical challenges. The book explores cutting-edge advancements in coloration machinery and process enhancements, offering innovative solutions for pre-treatment and dyeing processes. It presents waterless dyeing as a sustainable alternative to conventional wet processing and discusses solvent-based dyeing trends and their eco-conscious applications. Emerging technologies like ultrasound-assisted dyeing, electrochemical dyeing, and supercritical-fluid technology are examined for their efficiency, performance, and environmental advantages. The book also covers sustainable techniques such as salt-

	free dyeing and micelle dyeing using green chemistry principles. Additionally, it explores bio-derived dyes and mordants, highlighting their role in greener textile coloration, and introduces biosurfactants as eco-friendly substitutes to synthetic auxiliaries in wet processing. The book concludes with exploring recent advances in sustainable textile printing techniques. Catering to researchers, students, and industry professionals, this comprehensive reference offers innovative solutions to address sustainability challenges in the textile sector.

2.

Record Nr.	UNINA9910299314703321
Autore	Iorliam Aamo
Titolo	Fundamental Computing Forensics for Africa : A Case Study of the Science in Nigeria / / by Aamo Iorliam
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-94499-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (111 pages)
Collana	SpringerBriefs in Computer Science, , 2191-5768
Disciplina	363.25968
Soggetti	Data encryption (Computer science) Computer security Computer crimes Computer networks Biometry Computers Law and legislation Cryptology Systems and Data Security Cybercrime Computer Communication Networks Biometrics Legal Aspects of Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto	Chapter 1. Introduction -- Chapter 2. History of Forensic Science -- Chapter 3. Subdivisions of Forensic Science -- Chapter 4. Forensic Tools for Different Subdivisions -- Chapter 5. Forensics and Biometrics Importance -- Chapter 6. Impact of Forensic Science and Bodies that Need Forensic Science in Nigeria.
Sommario/riassunto	This book presents a general introduction to the computational aspects of forensic science, covering the different tools needed for forensic investigations, the importance of forensics and biometrics, and the use of Benford’s law for biometrics and network traffic analysis. It specifically focuses on the application of these techniques in Africa, and how they can be of benefit in the investigation of crime in Nigeria in particular.