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Titolo	An introduction to circular economy // Lerwen Liu, Seeram Ramakrishna, editors
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ISBN	981-15-8510-5
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (xi, 631 pages) : illustrations (some color), charts, maps
Collana	Gale eBooks
Disciplina	338.927
Soggetti	Recycling industry Sustainable development Environmental policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. Key Concepts and Terminology -- Chapter 3. Principles of Circular Economy (LCA, Supply Chain, Eco Design) -- Chapter 4. Environmental Sustainability Governance (ESG) -- Chapter 5. Design of Materials for Circular Economy -- Chapter 6. Case Studies- Food & Agriculture -- Chapter 7. Case Studies – WTE -- Chapter 8. Case Studies- Textiles -- Chapter 9. Case Studies – E-waste -- Chapter 10. Case Studies – Industry Manufacturing -- Chapter 11. Case Studies – Packaging Materials -- Chapter 12. Case Studies – Supply Chains -- Chapter 13. Industry 4.0 & Circular Economy (IoT, AI and Data Analytics) -- Chapter 14. Circular Economy Investment Models -- Youth Leadership in Circular Economy -- Chapter 15. Future Outlook.
Sommario/riassunto	This book is purposefully styled as an introductory textbook on circular economy (CE) for the benefit of educators and students of universities. It provides comprehensive knowledge exemplified by practices from policy, education, R&D, innovation, design, production, waste management, business and financing around the world. The book covers sectors such as agriculture/food, packaging materials, build environment, textile, energy, and mobility to inspire the growth of circular business transformation. It aims to stimulate action among

different stakeholders to drive CE transformation. It elaborates critical driving forces of CE including digital technologies; restorative innovations; business opportunities & sustainable business model; financing instruments, regulation & assessment and experiential education programs. It connects a CE transformation for reaching the SDGs2030 and highlights youth leadership and entrepreneurship at all levels in driving the sustainability transformation.

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