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Nota di contenuto	Chapter 1 - Introduction -- Chapter 2 - Basis of Sustainability for Biomass -- Chapter 3 - Basis of Environmental Chemistry for Biomass -- Chapter 4 - Analytics for Biomass and its Residues -- Chapter 5 - A Review of Monitoring and Treatment Technologies -- Chapter 6 - Strategies of Monitoring -- Chapter 7 - Strategies of Treatment -- Chapter 8 - Adding Value to Biomass Residues -- Chapter 9 - Conclusions.
Sommario/riassunto	This book provides an indispensable reference guide to the sustainable control and treatment of biomass residues from a wide variety of agroindustrial sources, e.g. sugarcane, corn, rice, wheat and soybean. Pursuing a structured and clear approach, the book opens with a general introduction to biomass, sustainability and environmental chemistry aspects, and on how the use of biomass as a renewable material ties into the UN's Sustainable Development Goals. The book subsequently presents analytical techniques and methods applied to different biomass types and their residues, and reviews monitoring and treatment strategies in order to avoid pollution of the same. The book closes by describing the value chains, bioeconomy and circular economy for globally relevant agroindustrial biomass. The book is intended for researchers in academia and industry alike, and shows how, in addition to sustainability criteria and life cycle assessments, integrating environmental chemistry aspects can contribute to a holistic approach, and unlock the economic potential of biomass in the age of

