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Nota di contenuto	Chapter 1. Development of polydimethylsiloxane and polyurethane (PU/PDMS) based coating for foul release applications -- Chapter 2. A multi-parametric optimization strategy for maximizing bacterial cellulose production from fermented tea -- Chapter 3. Analysing Industrial Scale-Up of Carbon Dioxide Capture in Aqueous Amino acids for Sustainable Technologies -- Chapter 4. Preparation of ABS / Mica composites by melt mixing method: a critical study of mechanical & thermal properties -- Chapter 5. Synthesis and characterization of cellulose acetate from Kombucha SCOBY bacterial cellulose using different acetylating agents -- Chapter 6. Automated Identification and Classification of Polymeric Waste Wrappers using Convolutional Neural Networks and IoT-Based GSM Communication -- Chapter 7.Reduction of formaldehyde emission from plywood panels bonded with phenol-formaldehyde resin (PF) by using Polymate-777P as a formaldehyde scavenger -- Chapter 8. Valorization of waste office paper for extraction of microcrystalline cellulose and its characterization.
Sommario/riassunto	The book presents the select proceedings of International Conference

on Polymer Technologies 2023. It explores cutting-edge polymeric materials, their impact on diverse industries, and their role in shaping a more sustainable future. Various topics covered in this book are smart polymers, nanocomposites, biodegradable materials, and allied fields. The book will be useful for researchers and professionals working in the areas of materials engineering.
