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Nota di contenuto	Frontmatter -- Contents -- List of contributing authors -- Editors Biography -- 1 Introduction to pulp and paper industry: Global scenario -- 2 Processes and problems of pulp and paper industry: an overview -- 3 Debarking, pitch removal and retting: Role of microbes and their enzymes -- 4 Bio-pulping: An energy saving and environmentfriendly approach -- 5 Biobleaching: An eco-friendly approach to reduce chemical consumption and pollutants generation -- 6 Biodeinking: an eco-friendly alternative for chemicals based recycled fiber processing -- 7 Enzyme-assisted pulp refining: an energy saving approach -- 8 Dissolving pulp production: Cellulases and xylanases for the enhancement of cellulose accessibility and reactivity -- 9 Slime control in paper mill using biological agents as biocides -- 10 Pulp and paper industry wastewater treatment: use of microbes and their enzymes -- Index
Sommario/riassunto	This book provides recent developments and future perspectives of pulp and paper processing based on biotechnology to replace conventional environmental unfriendly chemical processes. The use of microorganism and microbial enzymes in various processes such as

bleaching, deinking, refining, dissolving pulp, debarking & pitch removal, slime control, wastewater treatment and waste material valorisation are discussed.

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