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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Contents; Preface; Chapter 1: Chitosan-Based Polymer Nanocomposites for Heavy Metal Removal; Chapter 2: Gum-Polysaccharide-Based Nanocomposites for the Treatment of Industrial Effluents; Chapter 3: A View on Cellulosic Nanocomposites for Treatment of Wastewater; Chapter 4: Removal of Heavy Metals from Water Using PCL, EVA-Bentonite Nanocomposites; Chapter 5: Role of Polymer Nanocomposites in Wastewater Treatment; Chapter 6: Nanoparticles for Water Purification Chapter 7: Electrochemical Ozone Production for Degradation of Organic Pollutants via Novel Electrodes Coated by Nanocomposite Materials Chapter 8: Core-Shell Nanocomposites for Detection of Heavy Metal Ions in Water; Chapter 9: Conducting Polymer Nanocomposite-Based Membrane for Removal of Escherichia coli and Total Coliforms from Wastewater; Chapter 10: Titanium Dioxide-Based Materials for Photocatalytic Conversion of Water Pollutants
Sommario/riassunto	Nanocomposites have better adsorption capacity, selectivity, and stability than nanoparticles. Therefore, they find diversified applications in many areas. Recently, various methods for heavy metal detection from water have been extensively studied. The adsorption of various

pollutants such as heavy metal ions and dyes from the contaminated water with the help of nanocomposites has attracted significant attention. This book presents a comprehensive discussion on wastewater research. It covers a vast background of the recent literature. It describes the applications of nanocomposites in various

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