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Nota di contenuto	Preface -- Chapter 1 Fundamentals of Adsorption -- Chapter 2 Methods of Synthesis of Magnetic Adsorbents -- Chapter 3 Magnetic Biosorbents and their Application in Water Remediation -- Chapter 4 Lignocellulosic Wastes as Precursor of carbonaceous magnetic adsorbents of organic and inorganic pollutants adsorption -- Chapter 5 Magnetic Biochar Fibers for Copper Removal -- Chapter 6 Treatment of Landfill Leachate with Magnetic Adsorbents -- Chapter 7 Removal of Emerging Pollutants and Toxic Metals using Magnetic Adsorbents -- Chapter 8 Magnetically Modified Biological Materials for Dyes Removal -- Chapter 9 Regeneration of magnetic adsorbents saturated by organic pollutants using advanced oxidation technologies -- Chapter 10 Magnetic Nanofibers for Contaminants Removal from Water -- Chapter 11 Magnetic solid phase-based sorbents for isolation/pre-concentration and removal of pesticides -- Chapter 12 Characterization and application of Fe-magnetic materials and nanomaterials for application in the aqueous matrices decontamination -- Chapter 13 Advanced Magnetic Adsorbents Prepared from Emulsion Template for Water Treatment -- Chapter 14 Chitosan Based Magnetic Adsorbents -- Chapter 15 Methods used for performance enhancement of iron

based magnetic adsorbents in water systems.

Sommario/riassunto

This book compiles 15 chapters about the synthesis, characterizations, and application of many kinds of magnetic adsorbents for water treatment. It is devoted to the scientific community that works with adsorption technologies for water treatment and remediation. Specifically, for professors and Ph.D. students. It is expected that this book serves as an interesting background for researchers in the field of magnetic adsorbents for water treatment.