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Sommario/riassunto	This book describes the advantages and disadvantages and characterization techniques of clay-composites for environmental applications. It examines the structure and chemistry of different types of clay-composites and their synthesis, characteristics and applications in detail with a special focus on upscaling and limitations. Various

topics covered in this book include overview of clay composites and their environmental applications, clay-biochar composites, clay-surfactants composites, organo-clay composites, clay hybrids and enriched clay composites. This book will be useful for beginners, researchers, material scientists and engineers who are interested in applied research of clay-based composites.