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This comprehensive volume, edited by Daniel C.W. Tsang and Yuqing Sun, explores the application of biochar in wastewater treatment. It delves into various aspects of biochar production, properties, and modifications, highlighting its efficacy in nutrient and metal removal from wastewater. The book examines the underlying mechanisms of biochar's adsorption capabilities and discusses its potential as a biofiltration medium and in anaerobic digestion processes. Aimed at

researchers and professionals in environmental science and engineering, this work provides insights into biochar's role in pollution mitigation and resource recovery, emphasizing innovative solutions for sustainable wastewater management.