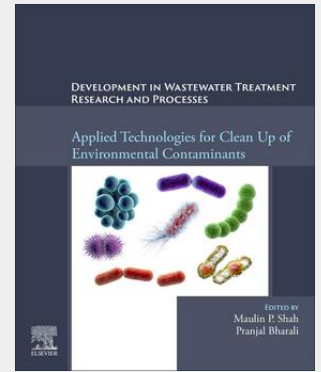


Shah

## Development in Waste Water Treatment Research and Processes

Applied Technologies for Clean Up of Environmental Contaminants

Applied Technologies for Clean Up of Environmental Contaminants covers the features of remediation and biocontrol technology, a multidisciplinary field combining environmental and industrial microbiology with biotechnology to improve environmental management. Studying the advanced microbial processes involved in geomicrobiology, aeromicrobiology, microbial loop and nutrient availability, as well as microbial energetics in the contaminated environment with an emphasis on innovative methodologies, the book provides readers with a better understanding of basic microbiology, allowing them to comprehend the mechanism and behavior of various biochemical processes that are used in bioremediation and biocontrol technologies. Including coverage of key subjects such as management of waste, energy generation, restoration processes, water treatment processes, co-metabolism, and nutrient recycling as well as emerging advances in environmental microbial biotechnology, green nanotechnology, metagenomic and proteomic strategies, DNA microarray, and biosensor-based technologies, this book provides potential implications for environmental management.



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