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Titolo	Antibiotics and Antimicrobial Resistance Genes : Environmental Occurrence and Treatment Technologies / / edited by Muhammad Zaffar Hashmi
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Collana	Emerging Contaminants and Associated Treatment Technologies, , 2524-6402
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Soggetti	Environmental chemistry Epidemiology Microbial genetics Microbial genomics Environmental engineering Biotechnology Medical microbiology Environmental health Environmental Chemistry Microbial Genetics and Genomics Environmental Engineering/Biotechnology Medical Microbiology Environmental Health
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This volume summarizes and updates information about antibiotics and antimicrobial resistance (AMR)/antibiotic resistant genes (ARG) production, including their entry routes in soil, air, water and sediment, their use in hospital and associated waste, global and temporal trends in use and spread of antibiotics, AMR and ARG. Antimicrobial/antibiotic resistance genes due to manure and agricultural waste applications,

bioavailability, biomonitoring, and their Epidemiological, ecological and public health effects. The book addresses the antibiotic and AMR/ARG risk assessment and treatment technologies, for managing antibiotics and AMR/ARG impacted environments The book's expert contributions span 26 chapters, and offer a comprehensive framework for better understanding and analyzing the environmental and social impacts of antibiotics and AMR/ARGs. Readers will have access to recent and updated models regarding the interpretation of antibiotics and AMR/ARGs in environment and biomonitoring studies, and will learn about the management options require to appropriately mitigate environmental contaminants and pollution. The book will be of interest to students, teachers, researchers, policy makers and environmental organizations.