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| Titolo                  | Antimicrobial resistance in wastewater treatment processes / / edited by Patricia L. Keen, Raphael Fugere                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Descrizione fisica      | 1 online resource (456 pages)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Soggetti                | Antibiotics - Environmental aspects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nota di contenuto       | Antimicrobial resistance genes and wastewater treatment / Mehrnoush Mohammadali and Julian Davies -- When pathogens and environmental organisms meet : consequences for antibiotic resistance / Jose Luis Martinez and Fernando Baquero -- One health : the role wastewater treatment plants play as reservoirs, amplifiers, and transmitters of antibiotic resistance genes and antibiotic resistant bacteria / Marilyn C. Roberts -- Assessing the impact of wastewater treatment plants on environmental levels of antibiotic resistance / Jessica Williams-Nguyen, Irene Bueno, and Randall S. Singer -- Navigating through the challenges associated with the analysis of antimicrobials and their transformation products in wastewater / Randolph R. Singh, Rachel A. Mullen and Diana S. Aga -- Metagenomic approaches for antibiotic resistance gene detection in wastewater treatment plants / Ying Yang and Tong Zhang -- Antimicrobials and antimicrobial resistant bacteria in Australia / Andrew J. Watkinson and Simon D. Costanzo -- The mobile resistome in wastewater treatment facilities and downstream environments / Roberto B.M. Marano and Eddie Cytryn -- Bacterial diversity and antibiotic resistance genes in wastewater treatment plant influents and effluents / Veiko Voolaid, Erica Donner, Sotirios Vasileiadis, and Thomas U. Berendonk -- The effect of advanced treatment technologies on the removal of antibiotic resistance -- Popi |

Karaolia, Stella Michael, and Despo Fatta-Kassinou -- Antimicrobial resistance spread mediated by wastewater irrigation: the Mezquital Valley case study / Melanie Broszat and Elisabeth Grohmann -- Antimicrobial resistance related to agricultural wastewater and biosolids / Lisa M. Durso and Amy Millmier Schmidt -- Environmental antibiotic resistance associated with land application of biosolids / Jean E. McClain, Channah M. Rock, and Charles P. Gerba -- High throughput method for analyzing antibiotic resistance genes in wastewater treatment plants / Johanna Muurinen, Antti Karkman, and Marko Virta -- Antibiotic resistance and wastewater treatment process / Thi Thuy Do, Sinead Murphy, and Fiona Walsh -- Antibiotic pollution and occurrence of bacterial antibiotic resistance genes in Latin American developing countries : case study of the Katari watershed in the Bolivian highlands / Denisse Archundia, Celine Duwig, Jean M.F. Martins, Frederic Lehenbre, Marie-Christine Morel, and Gabriela Flores -- Antimicrobial resistance in hospital wastewaters / Judith Isaac-Renton and Patricia L. Keen -- Curbing the resistance movement : examining public perception of the spread of antibiotic resistant organisms / Agnes V. Macdonald and Patricia L. Keen -- Public health consequences of antimicrobial resistance in the wastewater treatment process / Patricia L. Keen, Raphael Fugere, and David M. Patrick.

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