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| Titolo | Handbook of antimicrobial resistance / / Matthias Gotte, editor-in-chief ; Albert Berghuis [and three others] (editors) |
| Pubbl/distr/stampa | New York, New York : , : Springer, , [2017]<br>©2017 |
| ISBN | 1-4939-0694-1 |
| Edizione | [1st ed. 2017.] |
| Descrizione fisica | 1 online resource (73 illus., 42 illus. in color. eReference.) |
| Disciplina | 616.90 |
| Soggetti | Drug resistance in microorganisms |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Bacteria -- Origins of antibiotic resistance (Resistome) -- Dissemination of antibiotic resistance -- Mechanisms of antibiotic resistance.-Strategies for combating antibiotic resistance.- Multiple-drug-resistant bacteria.- Resistant Tuberculosis -- MRSA.- Fungi -- Microevolution of drug resistance.- Environmental induction of azole resistance in medical molds -- Echinocandin resistance in medically relevant fungi -- Role of drug efflux in azole resistance.- Parasites. - Drug-resistant Leishmania -- Drug resistance in Helminth infections. - Drug resistance in Malaria -- Drug resistance in schistosome infections.- Drug resistance in trypanosome infections.- HIV. - Resistance to RT inhibitors.- Resistance to Integrase Inhibitors. - Resistance to Entry inhibitors.- Resistance Testing.- Virology -- Resistance to viral protease inhibitors: The substrate envelope. - Resistance to new Direct-Acting-Antivirals against HCV -- HBV Resistance.- Resistance to antiherpetic drugs -- Influenza Resistance. |
| Sommario/riassunto | This is a comprehensive tool covering all manifestations of antimicrobial resistance, with viral, bacterial, parasitical and fungal resistance each given a dedicated section. The underlining molecular mechanisms, which depend not only on the microbe, but on the specific drug (target), are highly diverse, and are covered in great detail. This work also discusses and compares the biological, biochemical and structural aspects of resistance and its evolution. |