1. Record Nr. UNINA9910253895903321

Titolo	Recent Trends in Antifungal Agents and Antifungal Therapy [[electronic resource] /] / edited by Amit Basak, Ranadhir Chakraborty, Santi M. Mandal
Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2016
ISBN	81-322-2782-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (IX, 250 p. 119 illus., 10 illus. in color.)
Disciplina	579.135
Soggetti	Mycology Bacteriology Microscopy Immunology Biological Microscopy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1. Fungi Fights Fungi: Tip off in Antifungal Chemotherapy -- 2. Essential Oil and Antifungal Therapy -- 3. Antifungal Peptides with Potential Against Pathogenic Fungi -- 4. Lipopeptides: Status and Strategies to Control Fungal Infection -- 5. Plant Derived Antifungal Agents: Past and Recent Developments -- 6. Recent Advancements in Combinational Antifungal Therapy and Immunotherapy -- 7. Nanocarriers of Antifungal Agents -- 8. Synthetic Compounds for Antifungal Chemotherapy -- 9. Antifungal therapy in Eye infections: New Drugs, New Trends -- 10. Antifungal Susceptibility Testing of Dermatophytes.
Sommario/riassunto	Fungal infections have taken a new spectrum due to the increased incidence of multi-drug resistant fungal pathogens. Freedom of choice for drugs to treat fungal infections is also narrow because of lesser probability of discovering drugs that would bypass affecting human cells and target fungal cells producing fewer side effects in patients. An approach has gained prominence in research is to look for bioactive antifungal compounds from natural to synthetic sources. It is necessary to discover new classes of antifungals to control the recent emergence

of multi-drug resistant fungal infections. This book proposed a details top to bottom outline of antifungal compounds derived naturally or synthetically. The details of their modifications or synthetic analogues have been described, helpful to understand the structure-activity relationship which leads to new compound development in antifungal chemotherapy. Each chapter begins with a comprehensive, top-bottom in-depth discussion of antifungal agents with updated bibliographic references. This compendium will serve as a companion not only for Scientists, Researchers, and Professors, Medical Practitioners but also a valuable reference text for the university students. .