



Addressing Clinical Microbiology Problems Through Bioinformatics Tools

By Shakil, Shazi

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Treatment Strategy Against Ndm-1 +Ve Bacteria By Dr Shakil @ King Fahd Medical Research Center, Kaau, Saudi Arabia | This decade has witnessed a boom in bioinformatics and its application in biological research. We have come a long way using antibiotics after the landmark discovery of Penicillin in 1928. Bacteria have also got them selected with harder resistance mechanisms. The present book accounts for the basic concepts of multiple drug resistance (MDR) in bacteria, covering topics related to common clinical microbiology issues and the potential of bioinformatics in addressing the MDR problem. To make the book more application specific, various clinical microbiology problems/infections and a comparison of different treatment options available against them have been incorporated. The molecular modeling and docking studies have been crafted in to unravel the potential of bioinformatics in finding the best empirical treatment for patients suffering from different infections. The book is intended to serve as an introductory guide for beginners in the MDR research arena and a short reference guide to the experts. The book is expected to act as a foundation stone of a future research discipline, DRUG RESISTANCE INFORMATICS or DRI . | Format:...



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