

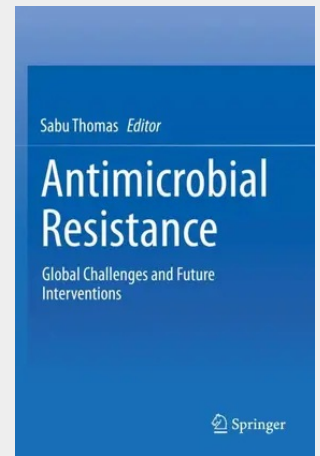
Thomas

Antimicrobial Resistance

Global Challenges and Future Interventions

Antimicrobial resistance is a major global public health problem. This book focuses on the clinical implications of multi-drug resistant pathogens; tracking AMR and its evolutionary significance; antifungal resistance; and current and alternative treatment strategies for AMR, including antiviral, antibiofilm and antimicrobial resistance breakers, repurposing of drugs, and probiotic therapy. Advances in antimicrobial stewardship, antibiotic policies from a global perspective and their impacts are also discussed. The book also explores the use of omics approaches to gain insights into antibacterial resistance, and includes chapters on the potential benefits of a 'One Health approach' describing the environmental and zoonotic sources of resistant genes and their effects on the global resistance pool.

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