

Antimicrobial Resistance, Past, Present and Future Prospects

Burhanuddin Alawadhi

King Hamad University Hospital, Bahrain

Abstract

Antimicrobial resistance (AMR) has been a critical challenge in recent years. The number of effective antibiotics has been dwindling, leaving vulnerable patients susceptible to multi-drug resistance organisms (MDROs). Meanwhile, the amount of antibiotics has been going up, compounding the problem further. As such, efforts are taken to contain the spread of MDROs. These initiatives include a whole host of measures, including production of new antimicrobials, implementing antimicrobial stewardship and infection control measures, research and development of unique modalities for the treatment of MDROs and public health initiatives. This presentation aims to delineate the challenges and opportunities in a world riddled with AMR.



Biography

Burhan attained a Bachelors of Science (BSc) in pharmaceutical studies and subsequently a Doctor of Pharmacy (PharmD) degree from Northeastern University. He worked as a clinical and quality coordinator pharmacist at King Hamad University Hospital in Bahrain before attending University College of London (UCL) where he completed a Masters of Science (MSc) in Immunity and Infection. He is currently enrolled in a PhD doctoral programme at UCL studying antibiotic use in populations and the role of antimicrobial stewardship programs in various settings. He also currently works as the National Responsible Person for Pharmacovigilance (NRPP) and as a pharmaceutical consultant for a Bahraini pharmaceutical distributor, Gulf Corporation for Technology (GCT).

Publications

- Analysis of Antimicrobial resistance among plant species
- Comparative analysis of improved antimicrobial resistance among certain plant groups
- Future trends in Antimicrobial Resistance
- Microbial Activity of *Allium Cepa* to improve antimicrobial resistance
- Antimicrobial Resistance-A Review

[Annual Conference on Applied Pharmacology and Toxicology](#) | Webinar | July 09, 2021

Citation: Burhanuddin Alawadhi, Antimicrobial Resistance, Past Present and Future Prospects, Applied Pharmacology 2021, Annual Conference on Applied Pharmacology and Toxicology, Webinar, July 09, 2021
