

**PLANT EXTRACT
SHOWING ANTI-BACTERIAL ACTIVITY
AGAINST
ESBL PRODUCING MULTI-DRUG
RESISTANCE ENTERIC BACTERIA**

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PREFACE

Over the last century, Antibiotics have radically transformed the process of infection treatment. They have rapidly emerged and have grown to become an important tool for modern medicine. But unfortunately the misuse of Antibiotics has led to the sprouting of bacteria that are resistant to these antibiotics.

The prime reason of resistance to antibiotics is their misuse in many forms. For instance, frequent prescription of “broad spectrum antibiotics” in place of better targeted antibiotics can be fittingly deemed as a misuse. Some bacteria are naturally resistant to certain antibiotics while others can acquire resistance through mutations in some of their genes when they are exposed to an antibiotic.

The effectiveness of antibiotics can be ameliorated by addition of medicinal plant extracts. This text provides information about antibacterial activity of medicinal plant against Extended Spectrum β lactamase (enzyme) producing multidrug resistant enteric bacteria.

This book is suitable for courses with orientations ranging from basic microbiology to applied microbiology. This text could very well be an asset for the scholars who are seeking to establish their career in fields such as Research & Development, Teaching and in Pharmaceutical industries.

✍️ Deepika Bhardwaj

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