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Antibacterial Activity And Sequential Extraction of Carica Papaya (PAW PAW) against Multi Drug Resistant Uropathogenic Gram Negative Bacilli

G. Lavanya[1] and M. Gopu[2]
Assistant Professor, PG and Research Department of Microbiology[1]
Assistant Professor, Department of Biotechnology[2]
Kamban College of Arts and Science for Women, Tiruvannamalai, Tamil Nadu, India
Shanmuga Industries Arts and Science College, Tiruvannamalai, Tamil Nadu, India

Abstract: *Urinary tract infection (UTI) is a general term which encompasses microbial colonization of the urine and infection of the urinary tract structures involving kidney, ureters, bladder, and urethra. Although UTIs occur in all age groups irrespective of gender, some clinical studies reveal that the overall occurrence of UTIs is more in females than in males due to anatomical structure. Some microorganisms become more virulent in high glucose concentration. Unreasonable and incorrect antibiotic prescription for UTI may induce the development of antibiotic resistant uropathogens. Many beta - lactam resistant bacteria produce beta lactamase enzyme that inactivates or degrade antibiotics and leading to extended spectrum cephalosporin and even carbapenem resistance. Carbapenemases represent the most diverse class of beta-lactamases. They are capable of efficiently hydrolyzing a wide range of beta- lactam antibiotics including penicillin, cephalosporins, monobactams and carbapenems. The production of beta-lactamases by uropathogens complicates treatment because their presence not only implies resistance to beta-lactam antibiotics but is also associated with resistance to other families of antibiotics. The emergence of multidrug resistance is a serious public health issue for the management of UTI..*

Keywords: Urinary tract infection

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