



Anti-microbial Activity of Substituted Flavones against *E-coli* and *P-acne*

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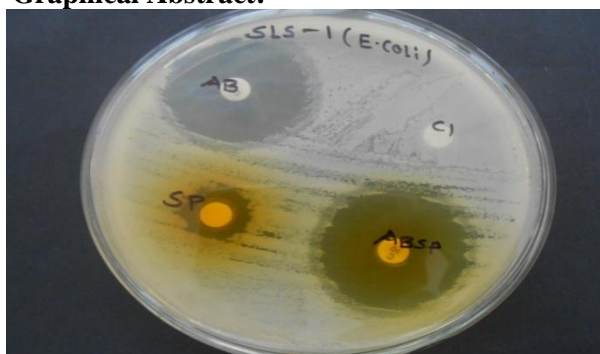
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ABSTRACT

During the recent years, the incidence of bacterial and fungal infections has been increasing dramatically due to an increase in the number of Immuno-compromised hosts. The increasing incidence of resistance to a large number of antibacterial agents is becoming another major concern. These observations clearly indicate the need of as well as search for alternative new and more effective antimicrobial agents with a broad spectrum of activity. The substituted flavones have medicinal, biological and pharmacological values. Hence, it was thought interesting to study antimicrobial activity of substituted flavones against pathogenic microorganism and help to find better alternative against drug resistant pathogenic microorganism. All the compounds L₁, L₂, L₃, L₄, L₅ and L₆ were screened for the anti-microbial activity against bacteria one gram negative *E-coli* and one gram positive *P-acne* by using agar disc diffusion method.

Graphical Abstract:



Activity of *E.coli*



Activity of *P-acne*

Keywords: Anti-microbial activity, gram positive bacteria, gram negative bacteria, substituted flavones, disc diffusion method.