



Research Article



**Screening and Evaluation of antibacterial and antifungal activities of substituted Pyrazole moieties, Oxadiazoles and Imidazol ethanones**

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**ABSTRACT**

In this paper we concentrate on antibacterial and antifungal activities of synthesized quinoline derivatives containing pyrazole moieties, oxadiazole and imidazol ethanones. The respective clinical strain was spread separately on the Mueller-Hinton broth medium for antibacterial activity and Sabouraud dextrose agar (SDA) broth for antifungal activity. Then 2  $\mu$ L of test organism suspension was added and incubated at 37°C for 24 hr. for bacteria and 48 hr. for fungi studies. The drugs Ofloxacin and Fluconazole were used as standards for comparison of antibacterial and antifungal activities respectively. The Minimum Inhibitory Concentration (MIC) was the lowest concentration of test compound that inhibit the visible growth of the organism and was determined in triplicates and mean values were taken.

**Keywords:** Pyrazole, oxadiazoles and imidazol ethanones, SDA, biological activity.

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