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NOVEL SYNTHESIS AND ANTI-INFLAMMATORY, ANTITUBERCULAR SCREENING OF SUBSTITUTED {[3-(4-BROMOPHENYL)-1-PHENYL-1 H-PYRAZOL-4-YL] METHYLENE}-N- PHENYL AMINE

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S.V.Jawarkar*, S. R. Kane, S. K. MOHITE !

***! S. D. Patil institute of pharmacy, islampur tal-walwa, dist- sangli.**

Rajarambapu College of Pharmacy, Kasegaon, Tal: Walwa, Dist: Sangli.

E-Mail: somkant.jawarkar69@gmail.com

ABSTRACT:-

The 3-(4-Bromophenyl)-1-phenyl-1H-pyrazole-4-carboxaldehyde was prepared from phenylhydrazine and 4-bromoacetophenone via Vilsmeier-Haack reaction. This aldehyde was functionalized at 4-position by various substituted anilines gave corresponding azomethine derivatives (III a-g). The newly synthesized compounds structures were established by chemical and spectral analysis (IR, NMR). Pharmacological evaluation of this series showed anti-inflammatory and antitubercular activity.

KEYWORDS: Pyrazole; Azomethine; Anti-inflammatory; Antitubercular;

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