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Title: Evaluation of bronchodilator activity of *A. precatorius* leaves

Prof. Dr Ravindra 4407 Patil rypatil1971@yahoo.co.in¹, Mr. Dnyaneshwar 4408 Taur dnyaneshtaur@gmail.com² and Mr. Raju 4409 Patil patilrn31@rediffmail.com³. ¹ Pharmacognosy, PDEA's Shankarrao Ursal College of Pharmaceutical Sciences and Research Center, Kharadi, Pune, Maharashtra, India, 411014 ; ² Pharmacognosy, Shivnagar Vidya Prasarak Mandal's College of Pharmacy, Malegaon BK, Baramati, District- Pune, Maharashtra, India, 413115 and ³ Pharmaceutical Chemistry, Shivnagar Vidya Prasarak Mandal's College of Pharmacy, Malegaon BK, Baramati, District- Pune, Maharashtra, India, 413115 .

Body: Introduction: Asthma affects about 300 million people worldwide. The current synthetic drugs used for the treatment of asthma have some adverse effects. *Abrus precatorius* Linn. (Fabaceae) is a climbing shrub. The leaves and roots are sweet in taste and traditionally used to asthma and bronchitis. Aim and Objectives: However, the objective of present study to evaluate ethanol extract of *A. precatorius* leaves for bronchodilator activity. Method: In present study ethanol extract of *A. precatorius* (200 & 400 mg/kg) was evaluated on histamine induced bronchospasm in guinea pig using salbutamol (2 mg/kg) as standard drug (Patel, K.G. et al. Iranian Biomedical J 2008; 12(3): 191-196). The time required for onset of preconvulsive dyspnoea was recorded. Results: Result of study reveals that ethanol extract of *A. precatorius* at dose 200 & 400 mg/kg significantly protects guinea pig against histamine induced bronchoconstriction in a dose dependent manner as shown in Figure 1.

Conclusions: In conclusion *A. precatorius* may be used in the treatment of asthma and bronchitis.