

A
DISSERTATION THESIS
ENTITLED
**TO ASSESS PHYTOCHEMICAL AND ANTIBACTERIAL ACTIVITY OF *PONGAMIA*
PINNATA LEAF EXTRACT**

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1. Abstract

The present investigation is portrays the phytochemical test and antibacterial movement of *Pongamia pinnata*. *P. pinnata* is generally called as "Karanj". *P. pinnata* is belongs to the family of 'Fabaceae'. *P. pinnata* has been used in the treatment of bronchitis, challenging hack, rheumatic joints and quench dipsia in diabetes. Phytochemical screening of the aqueous and ethanolic extracts of the leaves revealed the presence of alkaloids, carbohydrates, reducing sugars etc. In the present investigation of the aqueous and methanol concentrates of the leaves of *p. pinnata* were studied for their antibacterial activity by agar well dispersion technique against three microorganisms. The utilization of plant extract with known antimicrobial properties can be of importance for treatment.

Keywords: Phytochemical, *p. pinnata*, Karanj, Antibacterial activity.