

Antimicrobial finishing of fabric with *Pongamia pinnata* leaves extract

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Received: 20.11.2015; Revised: 01.04.2016; Accepted: 15.04.2016

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■ **ABSTRACT** : Antibacterial textile production has become increasingly prominent for hygienic and medical applications. Therefore, to reduce the growth of bacteria various antibacterial compounds have been used for all types of textiles. In the current study, an eco friendly natural antibacterial extract has been prepared from *Pongamia pinnata* plant leaves for textile finishing application. After knowing the phytochemical properties, extracts were selected and were tested on cotton fabric by the method of direct application. *Pongamia pinnata* leaves extract treated samples showed better antibacterial and antifungal properties. Therefore, *Pongamia pinnata* tree leaves could be a potential source of active antimicrobial agents.

■ **KEY WORDS**: Antimicrobial finishing, *Pongamia pinnata* leaves, Phytochemical properties

■ **HOW TO CITE THIS PAPER** : Babel, Sudha and Rajvanshi, Rupali (2016). Antimicrobial finishing of fabric with *Pongamia pinnata* leaves extract. *Asian J. Home Sci.*, 11 (1) : 52-57, DOI: 10.15740/HAS/AJHS/11.1/52-57.