

A STUDY ON ANTIMICROBIAL EFFICIENCY OF MANGROVE LEAF EXTRACT ON COTTON FABRIC

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ABSTRACT

Leave extract of mangrove plant *Exocoecaria agallocha* showed very promising antimicrobial properties against pathogenic strains on cotton fabrics . Methanol extract of leaves of the mangrove plant showed higher antimicrobial activity on all the Pathogenic strain as against aqueous extract of the same plant. The antimicrobial efficacy was found to be better when treated with combination of silicon softener and leave extracted antimicrobial finish. The treated samples sustained reasonable antimicrobial activity to repeated laundering.

KEYWORDS: Mangrove Plant, Bioactive Antimicrobial Finish, Value Addition, Silicon Softener, Zone of Inhibition, Washing Fastness