

**STUDY OF ANTIMICROBIAL EFFECT ON MODAL FABRIC AND ITS COTTON
COUNTERPART DYED WITH SOME NATURAL DYES AND SYNTHETICS DYES**

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ABSTRACT

Nowadays, modal fibre is considered important due to its overall performances similar to cotton, as well as its eco friendly attributes. In this study, modal was considered in its intact and blend form and they were compared with cotton fabric. The fabrics were tested for absorbency, wicking, dye ability antibacterial activity. The dyes such as kum kum, indigo, bar berry (natural dyes); and reactive (hot and cold) and sulphur dyes (synthetic) respectively were used for dyeing on cotton, modal, cotton / modal (50 : 50 blend) fabrics. The study revealed that modal contributes the properties not inferior to that of cotton.

KEY WORDS : Modal, kum kum, bar berry, wicking, antimicrobial activity