

# A Study on Properties of Curtain Fabric Developed Out of Regenerated Fiber Blended with Natural and Man Made Fiber

C. Sheeba

*Abstract— The main aim of this research is to know about the resemblances and differences between natural, manmade and regenerated fabrics. This research is done by blending the two selected fibers, cotton and polyester with the regenerated fiber bamboo, then the blended yarn are weaved, wet processed and finished with fragrance finish, and compared for various textile properties between the two finished fabrics, before and after laundering. On comparison it was clear that the bamboo/cotton fabrics showed certain, better geometrical, physical and mechanical properties; whereas bamboo/polyester fabrics showed, better comfort and absorbency properties. Then the selected fabrics were developed into Curtains. Bamboo fabrics are now a day's filling the vacancy in the textile material development in our textile production nation and these will inevitably stimulate the new fabric development through blending and finishing, among the cotton, wool and silk and bring the textile corporations a new opportunity.*

## I. OBJECTIVES

To evaluate the resemblances and differences between the Bamboo/Cotton & Bamboo/Polyester blended woven fabric.

## II. INTRODUCTION

Clothing is one among the most important three basic needs in every human life. It protects our body from various climates and gives us a good appearance says Vimala and Ramalakshmi (2008). Consumers are becoming increasingly very much conscious to environmental friendly consumer goods and much concerned about the green activities. This tendency for eco friendly come into contact with the skin for a prolonged period of time (1)Dharani et al (2010).

Cotton is an important textile fiber for human clothing and certain other needs ever since the fiber of the cotton plant was first observed and identified for its potential and the art of hand spinning and its numerous other uses were identified (2)Ravindranath and Srinivasan (2009).

Bamboo is an important forest Biomass resource. Bamboo textiles have many fanatics' properties when used as textile materials such as high tenacity, excellent thermal conductivity, resistance to bacteria, and high water and perspiration adsorption. Yarns of bamboo fiber provide the desirable properties of high absorbency, antimicrobial and soft feel in textiles and made ups. Bamboo fiber ensure comfort in various textile applications currently, regenerated bamboo fibers are used in apparels including undergarments, sports textiles, t-shirts and

C. Sheeba, MSc., MPhil., Assistant Professor, Department of Costume Design & Fashion, Kongunadu Arts & Science College, Coimbatore. E-mail: sheebachandran26@gmail.com