

A Study of Sensory Evaluation of Eco – Friendly Bamboo fabrics for Home Furnishings

Radhika Suppiah

Faculty of Arts, University of Jaffna, Sri Lanka.

An innovative fabric with substantial market potential and rising global demand is bamboo fabric, which is antimicrobial and environmentally friendly. The benefits of bamboo goods are becoming more and more apparent to Indian businesses. Bamboo used efficiently in the production of clothing and home furnishings. The textile process requires both physical and sensory assessment. The fabric hand represents the entire sensation felt while handling a fabric with the fingertips. The sensation analysis technique utilizes only a human hand as the instrument to measure the sensation felt while touching a material with the hand. The purpose of this study is to sensory evaluation of eco- friendly bamboo fabrics for home furnishings. The different bamboo fabrics were used to evaluate for constructing different household furnishings, the fabrics such as bamboo woven, bamboo cotton, bamboo cotton lycra and bamboo jute were used for this study. The study evaluate various parameters of fabrics including, fabric texture, tactile feeling, lustre, weight of the fabric, moisture absorption, fabric strength, colour applicability, clarity of surface enrichment in fabrics were evaluated among forty evaluators including Consumers, Interior Designers, Academics, and Shop Owners. The percentage analysis and chi- square test were used to find the fabrics suitability for home furnishings. The study findings concluded that 92.5 % of evaluators mentioned that bamboo woven fabric soft and the majority of respondents rated all the selected fabrics for being semi – glossy. The strength of all the selected fabrics was rated as either very good or good.

Keywords: *Evaluation, Bamboo fabrics, Home Furnishings*



**International Conference on Sustainable Development Practices in
Agricultural Sciences, Horticulture, Sericulture, Food Technology, Veterinary Science,
Fisheries Science, Biotechnology & Spices and Plantation Crops Management**

**Date : 26th & 27th March, 2026
Venue: Joy University, Near Kanyakumari, Tirunelveli Dt., Tamil Nadu, India.**

