

Study of Properties of Banana Fiber, Extracted from Egyptian trees

Lecturer/ Hanaa Abu Zaid Khalil

Lecturer at Spinning and Weaving Department Faculty of Applied Arts- Damietta University- Egypt

Abstract

seeking spinning and Weaving industries are to produce eco-friendly fiber Natural . fibers have distinct properties like high strength, low weight, low cost processing and bio degradability than synthetic fibers⁽¹⁾. banana fibers have the advantage of coming from an agricultural residue. Egypt produces around 65,000 feddans annually from banana trees and these trees are disposed of in a polluting environment . Fibers have been extracted by mechanical means from banana tree⁽²⁾. The aim of this paper is to examines how to extract banana fiber and study the mechanical , chemical and physical properties of fiber.

Keywords: banana fibers; chemical and physical properties; extract; Natural fibers