

# Handmade Paper from *MUSA Accuminata* (Banana) Stem

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**Abstract:** *Banana stem is readily collected from banana trees after collection of banana fruits. The stem is used as a waste product and used in domestic cooking purpose. It's removed after cutting of banana stem in small pieces and again stem is blowing inside the digester at a high pressure and consecutive use of sodium hydroxide, sodium sulphide and sodium hypochlorite. (1) The fiber is molten and making pulp. In recent history there's decline of Indian Handmade Paper in import request due to increase of cost of traditionally used good quality raw material. The present paper covers the potential for availability of banana fibre and its morphological & chemical nature as well as the pulping technologies with enzymatic refining. (2) Banana fibre is a natural fibre with high strength, which can be blended lightly with cotton fibre or synthetic fibre to produce compound material. In the fiber extraction process, a substantial measure of Lignocellulosic wastes are generated, disposal of which creates problem in the adjacent area. In this paper, extracted banana fiber( EBF) and waste banana fiber( WBF) were characterized in terms of chemical and morphological plots to assumed Banana is one of the most well- known and useful plants in the world. Almost all the parts of this manufactory, that are, fruit, leaves, flower bud, trunk, and pseudo-stem, can be used. This chapter deals with the fiber extracted from the pseudo-stem of the banana plant of the banana plant. This chapter deals with the fiber extracted from the pseudo-stem of the banana factory. It discusses the product of banana pseudo-stem fiber, which includes colony and harvesting; extraction of banana pseudo-stem fiber; retting; and degumming of the fiber. It also deals with the characteristics of the banana pseudo-stem fiber, similar as morphological, physical and mechanical, duration, degradability, thermal, chemical, and antibacterial properties(3). Several possible uses of this fiber are also mentioned, similar as the use of this fiber to fabricate rope, place mats, paper cardboard, string thread, tea bags, high- quality fabric materials, absorbent, polymer/ fiber composites,etc. (4).*

**Keywords:** Banana stem.

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