

UTILIZATION OF BANANA STEM AND LEAVES

Deepthi and Uma Bharathi

ADITYA ENGINEERING COLLEGE, SURAMPALEM, ANDHRA PRADESH, INDIA.

EMAIL: office@aec.edu.in



INTRODUCTION:

Banana is a type of fruit from herbaceous plants of the Genus Musa. Banana tree is also known as Kalpa Vruksha. It plays a prominent role in human life. After harvesting bananas, stems and leaves from the trees are going to be utilized in many perspectives. At present days extracting juice from stems of banana results in preventing kidney stones. In general banana leaves are used in religious ceremonies especially in south india. These leaves are wax coated and acts as hygiene plates and also used in packing and agricultural uses.

USES OF BANANA STEM AND LEAVES:

1. Culinary use:

- The inner core of the stem is used in various traditional dishes, and often added to curries and salads.

- Banana stem juice is consumed for health benefits like preventing digestion problem and kidney stones.
- Banana leaves are also used to cook and steam the food by wrapping the raw food.

2. Fibre production:

- Fibres from banana stem can be used to make ropes, mats, and textiles. These fibres are strong, durable, and biodegradable.

3. Agriculture and Gardening:

- The fibre from banana stem can be composed and create organic matter and increase the soil fertility.
- Dried banana leaves can be used as mulch in gardens and farms. They help retain soil moisture, suppress weeds, and gradually add organic matter to the soil as they decompose.

4. Medicinal use:

- Microcrystalline cellulose powder is made from the central core of the stem and is

used for filler part of medicines or capsules.

- Banana leaves have been used to cure wounds like cuts, burns and blisters on skin.

5. Eco-friendly packaging:

- Banana leaves are especially used for wrapping food and other perishable items. They are biodegradable and sustainable, reducing the need of using plastic bags and covers.

The chlorophyll in the leaves prevents intestinal ulcer and skin diseases.

CONCLUSION:

The utilization of banana stems and leaves can be useful in many perspectives. Their uses can benefit human, cattle and environment as well. By using these stems and leaves we can reduce the waste and prevent the problems faced by human beings like constipation, kidney stones and also can make facial products for the skin.

