

BAMBOO: A POTENTIAL ALTERNATIVE TO WOOD AND WOOD PRODUCTS

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ABSTRACT

Bamboo is the most essential non-wood species which is abundantly grows in most of the tropical and subtropical zones. It has developed as an exceptionally valuable and superior alternate for wood composites manufactured, such as for furniture, house construction, roofing, flooring, walls, charcoal, kitchenware, ceiling, pulp and paper, fabric and many other things. Bamboo is very important in environmental conservations and performs so many functions like carbon sequestration, as sustainable and renewable resources, regulation of water, soil erosion control, beautification of the landscape, mitigation of climate change among others. Moreover, several types of research researcher have shown that bamboo is a fast-growing species which can also be used for other purposes like animal diet, and medicine. Numerous kinds of bamboo composite are manufactured and marketed globally. Bamboo compete favourably with wood in so many aspects ranging from microscopic and macroscopic features, chemical properties, physical and mechanical characteristics. Bamboo is renewable resource that can be harvested year after year without the need for fertilizer and plays an important role in reducing pressure on forest resources