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### **A short review of recent engineering applications of natural fibres**

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## **A short review of recent engineering applications of natural fibres**

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**Abstract.** Many researchers and industry players are investigating possible uses of natural fibres in order to raise environmental consciousness, preserve nature, and benefit social economy. In the composite business sector, there are several advantageous natural fibre sources open up for a variety of applications. It is worth noting that the performance of natural fibre-reinforced composites may be customized by natural fibre treatment and hybridization. An equilibrium between environmental consequences and desired performance as well as cost-effectiveness may be accomplished by developing composites depending on the product needs. However, some limitations, including their hydrophilic nature and their tendency to absorb moisture during processing, severely restricts natural fibres' potential for use as reinforcements in polymer composites. Thus, the key discoveries provided in the extant literature are reviewed in this brief overview, with an emphasis on the qualities of natural fibres and their recent progress in several engineering areas.

**Keywords:** natural fibre; natural fibre composites; biocomposites; engineering application; hybrids