ANALYSIS OF POSSIBILITIES FOR UTILIZATION OF AGRICULTURAL LIGNOCELLULOSIC RESIDUES AS ALTERNATIVE RAW MATERIAL FOR PRODUCTION OF MEDIUM-DENSITY FIBREBOARDS (MDF)

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ABSTRACT

As a result of performance of tasks from the first year of the project “Effect of content of non-wood lignocellulosic raw material and lignosulphonate in the composition of medium-density fibreboards (FB) (MDF) on their performance”, analysis of the possibilities for utilization of agricultural lignocellulosic residues as alternative raw material for production of MDF has been made. The world experience in this respect has been examined and the amount of this type of raw materials in Bulgaria has been determined. It has been established that there is huge amount of publications which report on the satisfactory use of agricultural lignocellulosic residues as alternative raw material for fibreboards, including such ones intended for construction. In Bulgaria, there exist more than sufficient quantities of residual lignocellulosic fibres for meeting the needs of manufacturers of wood-based boards. Nevertheless, this type of raw material is not utilized.

REFERENCES


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