

Sheet properties of sulphate pulp made from some so-called energy grasses cultivated in the Great Hungarian Plain

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Better utilisation of the yearly renewable biomass is an important question in context of the sustainable development. In the Hungarian Great Plain there is plenty of land which is not utilised for food production, so they can be suitable for cultivation of plants for industrial purposes.

The recent paper is dealing with the evaluation of different grasses concerning their chemical and morphological composition and the properties of sulphate pulps made from such grasses comparing with the traditionally used pulps (wood pulp, straw pulp and pulp from recovered paper).

During the systematic investigation the optimal conditions of pulping and bleaching of grasses were determined. It has been concluded that at least one of the five investigated grasses is fully suitable to produce bleached pulp for printing and writing paper.

Further investigation can be made for the economic evaluation of the utilisation of energy grasses in respect of environmental protection (e.i. chemical recovery , fresh water consumption , etc.)

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