

Prospects on the capitalization of sea buckthorn residues for energy purposes

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Abstract

The paper aims at qualitative and quantitative assessment of the plant biomass from residues, originated from the pruning of various sea buckthorn species. It has been stated that, on average, one hectare of sea buckthorn generates the energy potential equal to (37.61 ± 6.07) GJ. The energy capacity of the biomass, generated from the pruning of various sea buckthorn species showed some great energy probes, which allows us to state that sea buckthorn residues may serve as an important source of raw material and could be used for the production of densified solid biofuels, certified by ENPlus3.

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