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Root systems of forest tree species and their soil-conservation functions on the Krušné hory Mts. slopes disturbed by mining

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The paper describes the root system architecture of the forest tree species *Fagus sylvatica* L., *Quercus robur* L., *Pinus sylvestris* L., *Carpinus betulus* L., *Acer platanoides* L., and *Alnus glutinosa* (L.) Gaertn. at the age of 80–220 years growing on the slopes of the Krušné hory Mts. at the altitude of 330 to 480 m above sea level. These species were influenced by open-pit mining of brown coal as well as by power engineering. The investigation also involves the determination of soil properties of Ranker Cambisols.

Keywords:

root system; architecture; soil properties; Ranker Cambisols; mining; landslides

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