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<https://natur.cuni.cz/en/person?poid=1945479692839928>

Dissertation topic:

Mechanisms of organic matter sequestration in soil in relation to stage of pedogenesis and other factors

Brief description of the dissertation: In my dissertation, I focus on soil carbon (C) sequestration and how it can be influenced by different tree species and stages of soil development. I examine C accumulation not only in the bulk soil but also in individual soil organic matter (SOM) fractions. My work further investigates SOM stability, including various methodological approaches to its assessment, the dynamics of C accumulation in SOM fractions, and changes in SOM stability over time. Most of my research is conducted on reclaimed post-mining sites after brown coal mining in the Sokolov region.

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