

## Abstract

This bachelor work is focused on the development of soil horizon during pedogenesis on anthropogenic substrates. In the theoretical part types of soil horizons, their formation and development, and the factors affecting these processes are described. The practical part address the question how the development of A and Oe horizons differ with different vegetation cover and slope position. This was studied in reclaimed spoil heap neat the Sokolov. Several soil samples were taken in, and the GPS position has been collected together with depth of A and Oe horizon. In the laboratory the pH was measured. Higher development of A horizon and lower pH were found under deciduous forests than under conifers. The thickness of the A horizon increased also from top to the bottom of the slope.

Keywords: soil formation, soil horizon, post mining sites