

# Interpretation of the magnetic susceptibility record of Senec brickyard loess/paleosol sequence

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**Abstract:** Recent studies have shown that magnetic susceptibility can be used as a proxy parameter for the detection of loess deposits. The purpose of this study is to measure and discuss magnetic susceptibility determined in loess and fossil soil horizons. Magnetic susceptibility measurements show excellent correlation with occurrence of the horizons influenced with pedogenesis. These values are generally explained in terms of the greater concentrations of ultrafine ferrimagnetic minerals in the recent soils and paleosols.

**Key words:** magnetic susceptibility, loess/paleosol sequence

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