

Abstract

The aim of the thesis is the identification and characterization of soils with andic properties using the magnetic methods. Investigated soil is located in the Velký Roudný in the Nízký Jeseník mountain. This is the only known area with Andosols on the territory of the Czech Republic. Magnetic measurements will be performed both in the field and in the laboratory, and will be accomplished by geochemical analyses necessary for accurate pedological characterisation. Magnetic data will be interpreted in termagnetická susceptibilita of the geological and environmental conditions. The results will be compared with the properties of the Andosols from the French Massif Central.