

RESEARCH ON THE INFLUENCE OF SOIL PARTICLES SHAPE ON THE HYDRAULIC CONDUCTIVITY OF SOILS FROM BREAZU STUDY AREA

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Abstract

The present study wants to highlight the influence of the relationship between soil particles characteristics (shape, size and surface area texture) and hydraulic conductivity (saturated and unsaturated).

The study of this relationship wants to note any change that may occur in the hydrological regime of soils in researched areas. Determination of the soil particles characteristics was achieved by: a) size analysis and b) SEM microscopic analysis type. Determination of soil hydraulic conductivity was performed by laboratory methods: the constant-head method (K_s) and the falling head method (K_θ).

Key words: hydraulic conductivity, particle size analysis, microscopic analysis
