

## **THE INFLUENCE OF THE COMPACTION PROCESS ON THE OSCILATION OF SOIL HYDROPHYSICAL PROPERTIES FROM TATARASI AREA**

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### **Abstract**

The present work wants to highlight the influence it has compacting process on the variation of hydrophysical properties of three types of soil.

In resolving this hostile soil phenomenon this paper tries to noting the main effects exerted by the compaction process on the hydrophysical properties distribution in time and space by applying laboratory methods for determining the physical and hydraulic properties of soils from Tatarasi study area. Principal physical characteristics were determined: soil density, soil bulk density, texture and soil porosity.

Hydraulic properties analyzed in order to mark the variation of water regime were: hydraulic conductivity (saturated and unsaturated) and soil suction.

All these basic aspects of soil were analyzed using laboratory methods widely applied all around the world.

**Key words:** compaction process, soil physical aspects, soil hydraulic properties

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