

STUDY REGARDING THE HYDROLOGY AND HYDROLOGY FROM THE DIDACTIC FARM COJOCNA-THE TRANSYLVANIAN PLAINS

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SUMMARY

Water is one of the highly active pedogenetical factor, which determine at a high level the soil profile architecture.

In normal conditions, the soils are being formed and evolve under the influence of the volume of atmospherical precipitations, characteristic for each natural area. In some cases, the soil genesis is under the influence of an excess of pluvial water (of surface) or freatic (of depth).

Unlike the atmospherical factors, the action of hydrological factors is being found on a greater section in the soil's control section. By entering the soft rock, water's effect results in desaggregations and dispersions, favors certain chemical reaction and it has an active role in the alternation and dezintegration processes of mineral and organic substances.

The water movements in soil represent the factor that has a major impact in the movement of mobile salts, of basis and mineral and organic coloids, as in the exchanges of the substances between plants and soil. Without water movements, the solification process would not take place, neither the biological circuit of substances.

The excessive wet soil due to the natural drainage and to some specific climatic conditions can occur in two modes: by the existence of freatic water at low depth and by the remaining of the water from precipitations above a stratum or genetic horizon hard to penetrate.

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