



Invelisul de sol al muntilor Ignisului (Carpatii Orientali)

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The studied territory occupies a special position in the area of the Neogene volcanics from north-western Eastern Carpathians. Covering 954.11 km², Ignișului Mts. are remarkable through their pedogenetic diversity, as a reflex of the lithology, relief, hydro-climatic and biotic conditions. The 45 soil subtypes, grouped in 13 types and 8 classes, correspond to the altitudinal zonality, but may also bear the imprint of particular factors. It is worth mentioning the large occurrence of Cambisols (78,56% from the total area), dominant being the Dystric Cambisols (66,72%), fact explained by the low altitudinal levels (under 1300m). The outcropping of volcanic rocks and materials conditions the formation of Andisols (11,87%) or of the andic subtypes of other soils (49,96%), in the conditions when the volcanic formations occupy almost 74% of the territory.