

SUMMARY

The illuviation of clay sized inorganic materials, which takes place during the first stage of weathering of hard parent rocks is tentatively called "initial Clay Illuviation". It was found that during the progressive weathering of hard rocks, illuviated materials again get free to move to other places with the materials left from previous weathering.

A red mediterranean soil, formed on crystalline dolomitic rock, having a very thick (2m) C and a thin (10 m) B horizon was studied micromorphologically. Ferrisilicates, found on top of pure calcite, show the evidence of the formation of Red Mediterranean soil from the materials which are present as impurities in hard crystalline dolomitic rock. An explanation is given as to how this process is undergoing during the formation of Red Mediterranean Soil.