

English abstract

This thesis is specialised in problems of Jurassic subduction of meliatic oceanic area in the region of the Western Carpathians. This oceanic basin opened during middle trias and closed during middle Jurassic. Sedimentary rocks of oceanic origin and glaukofanitised basalts in the area of the presumed suture zone prove the existence of this oceanic basin. Metabasalts, whose chemism corresponds with the transitional composition between the basalts of mid-oceanic rifts and those of island arc, underwent high-pressure, low-temperature metamorphosis, which proves their being pulled to substantial depth during the subduction and later exhumed to lower parts of accretionary wedge. The practical part of this thesis is aimed at presentation of data gained from measurements of crystallographic orientation of calcite grains in marble appearing together with metabasalts in the Bôrka nappe.

Key words: Western Carpathians; Bôrka nappe; Turnaicum; Silicic nappe; subduction; suture