

INTERPRETATION OF THE NEW RADIOMETRIC AGE DETERMINATIONS FROM THE TERTIARY AND QUATERNARY VOLCANIC ROCKS IN WESTERN ANATOLIA.

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ABSTRACT: In order to evaluate the extensive problems concerning the age of the Tertiary to Quaternary volcanic rocks exposed in the Western Anatolia, 17 samples were collected and dated in terms of K/Ar and Rb/Sr dating methods and new geochemical data that would contribute towards the understanding of the volcanism in a regional context have been obtained. The oldest age measured is of $18,0 \pm 0,2$ Ma and belongs to the Selendi volcanics of calcalkaline andesites whereas the youngest age is of 100.000 - 200.000 B.P. and is obtained from alkaline basaltic type Kula volcanics.