

ABSTRACTS OF THE PAPERS PUBLISHED ONLY IN THE TURKISH EDITION OF THIS BULLETIN

GEOLOGY OF THE NIKSAR-ERBAA AND DESTEK REGION

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ABSTRACT.- The basement rocks of the investigated area, situated near Niksar, Erbaa and Destek are crossed by the North Anatolian Fault they comprise Turhal group metamorphic rocks of Permo-Triassic age. It is unconformably overlain by consisting of a sedimentary sequence of Liassic-Upper Eocene age deposited in the fore-arc basin of the Eurasian continent. The study area is in the suture zone between Eurasian and Anatolian plates. Thus it is affected by a north-south compression resulting in east-west trending thrusts in relation to formation of the North Anatolian Fault in the neotectonic period. Continental sedimentation took place in basins during Pliocene. Later activity of the North Anatolian Fault caused formation of pull-apart basins of Niksar, Erbaa-Taşova regions.