

PETROLOGY OF AKÇATAŞ GRANITE (NEVŞEHİR) IN THE MIDDLE ANATOLIAN MASSIVE

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ABSTRACT— Akçataş granite is located in the northwest of Nevşehir. Granites, orthodase granites, orthoclase granite with oligoclase, granodiorites, quartzdiorites, diorite (albitized), syenites, monzonites, quartzmonzonite, monzodiorite and altered plutonic rocks (granites and/or orthoclase granites) are identified in pluton. The enclaves are sparsely observed in granites and granodiorites. Abyssal rocks are determined as granite aplite, granite porphyre, diorite porphyrite (albitized). Field and microscobik studies show that magma has become differentiated twice, has generally assimilated the pieces of adjacent sedimentary rocks, intruded not deeper than the top level of the mesozone, genesis of enclaves are identical with plutonic rocks and hydrothermal stage was effective.