

Petrographic and petrology igneous rocks southwest Aligoodarz in sanandaj-sirjan zone of Iran

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In the southwest Aligudarz and west sanandaj-sirjan zone have outcrop land surface volcanic igneous rock and pyroclastic with shale, limestone and dolomite as 8 units lithology that possible age volcanic units and region pyroclastic estimated to be upper Triassic-lower Jurassic. Lithology composition contain Andesite, Traci andesite, Pyroxene andesite, Basalt andesite to Basalt with Andesitic tuffs & Agglomerate and Breccia volcanic. The main minerals include plagioclase, pyroxene and amphibole. the volcanic rocks are located like between-layer with sedimentary rocks. Tectonic activities caused Triassic-Jurassic rock thrusting on each other. The Study of chemical composition of rock of area is by using their chemical analysis by the aid of diagrams relating the indicate of Tholeiity & calc alkaline and they are located on tectonic environment diagram in volcanic island arc.

Key words: Petrography, Andesit rocks, Petrology, Aligudarz