Igneous Rocks of Thailand: A Review of Plutonic Rocks with Intermediate-ultrabasic Compositions and Volcanic Rocks

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Igneous rocks in Thailand consist mainly of plutonic, volcanic and volcaniclastic rocks. Hypabyssal rocks are known in some localities. Mafic and ultramafic rocks and their associates are present in the northern highlands, the eastern coast and the peninsula. Very few records of volcanic and volcaniclastic rocks have been reported in the peninsula. Amongst the igneous rocks, volcanic rocks appear to be ambigously classified by many workers since the geochemical data are rare.

Reviews of igneous rocks of Thailand were previously made by Natalaya (1973), Thanasuthipitak (1978) and Bunopas (1981). At present, the last review is generally up to date. The aim of this paper is to review igneous rocks other than granites and related rocks based on recently available information since 1981. The rocks presented here include syenite and volcanic rocks in some localities. The reviews carried out by Nutalaya (1973), Thanasuthipitak (1978) and Bunopas (1981) will be briefly discussed.