



## **Geological and Petrographic Characteristics in the North-Western Part of Gjilani Region, Kosova**

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**Abstract:** In the north – western part of Gjilani region, the next lithostratigraphic units were separated: Palaeozoic (gneiss, leptynolite, micaschists, leucogneiss, amphibolite, quartzite and migmatite), Jurassic (Serpentinised harzburgite, Schist serpentines with granitic intrusion, Basalts with dacite dykes, Dacite, Metamorphic sole (amphibolites), Supra ophiolitic sedimentary mélange), Cretaceous (Valanginian basal conglomerates, Valanginian – Hauterivian silty – sandstone turbidites, Barremian – Aptian basal conglomerates, Barremian – Aptian silty - marl turbidites, Albian – Senomanian sandy – phillitic turbidites, Santonian sedimentary ophiolitic mélange) Quaternary (alluvium, proluvium, slope wash, lower river terrace, higher river terrace, lacustrine, gravel and sand). The samples were taken from those rocks for chemical, geo-chemical and for the preparation of petrographic microscope properties. The analyses were completed at the certified laboratory of Geology-Mining Faculty (Polytechnic University of Tirana) - Geosciences Institute.

**Keywords:** *magmatism, metamorphism, , microscope properties, ofi*

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