



## **Structural and Mineralogical Features of the Quartz Sulphur Mineralization from the Gabbroic Massif of Kaptena (Mirdita Ophiolitic Complex of Albania)**

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**Abstract:** This paper presents the results of the prospecting geological works on the copper –bearing capacity of the Kaptena gabbroic massif carried out during the recent decades. This massif belongs to the eastern belt of the Albanian ophiolite complex, which is considered to be derived under the conditions of the Supra-subduction zone. The massif of Kaptena, which consists mostly of gabbros, norites and gabbro-norites, hosts a lot of copper orebodies of quartz-sulphur mineralization. The copper orebodies show different morphological, textural and structural features. Their location is probably controlled by the percolation of the hydrothermal fluids and the successive deposition of the mineralization that filled the voids of the gabbroic hosting rocks. A medium-low temperature of the sulphur mineralization is considered based on the mineralogical paragenesis.

**Key words:** *Albania, Mirdita ophiolites, Kaptena gabbroic massif, mineralogical association, sulphur ores.*

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