

TECTONICS OF COPPER DEPOSITS OF SÜNGÜN (KARADAGH REGION) IN AZERBAIJAN-IRAN.

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ABSTRACT: The Alpine ore deposits and regional metallogenic units of western ASIA are related to the realm between the Eurasian plate in the north, and the INDIAN plates in the south and southwest. This area shares some characteristics in common with other parts of TETHYAN-EURASIAN metallogenic belt. The Süngün deposit, situated on the north western IRAN, part the copper belt; the Süngün deposit district contains a few skarn copper deposits and small pb, zn, vein type deposits related to TERTIARY calc-alkaline complexes. Copper skarns Süngün occur in the contact zone of granodiorites, plagiogranites and plagiosyenites, usually among limestones. The main rock-forming mineral is chalcopyrite, which is associated with galena, pyrite, pyrrotite and sphalerite and molybdenite, in the region of Karadagh.

Porphyry-Type deposits, especially of copper, occur overwhelmingly along linear, calc-alkaline volcanoplutonic ares related to the subduction zones.