

SUMMARY INFORMATION ON NEW ACADEMIC AND THEORETICAL CONTRIBUTION OF THESIS

Thesis subject: *“Metallogeny specialization and erosion of granitoids massive Ngoctu, Kontum”*.

Major: Geology Code: 9440201

PhD Candidate: Do Duc Nguyen Year of course: 2017-2020.

Academic supervisor 1: Mai Trong Tu

Academic supervisor 2: Trinh Xuan Hoa

Training Committee: Vietnam Institute of Geosciences and Mineral Resources.

1. New contributions to academic and theory of the thesis:

From the point of view of the geochemical specialization of the geological object is closely related to the ore-generating potential and the operating environment of the geochemically-specialized body that determines the ore-generating ability (mineralogical specialization), The thesis has clarified the characteristics of the material composition (chemical composition, petrology, geochemistry, fossil geochemistry and inclusion composition) to evaluate the biomineralization of the Ngoc Tu granitoid.

The thesis uses the theory of geochemical specialization, biomineralization and methods to determine the depth of erosion that have been and are now widely applied in the practice of geological investigation and search and discovery of minerals in Vietnam. Russian Federation. In the Russian Federation, the results of assessment of biomineralization have been used to map biomineralization and forecast mineral prospects. By assessing the depth of erosion and the volume of U introduced into the sedimentary environment, geologists have studied and drilled in the sedimentary basins and discovered uranium deposits of the "ancient bed" type..

2. The new arguments of the thesis:

On the basis of research results on material composition, formation conditions, geochemistry, inclusion, interpretation according to modern scientific theories, the thesis has proved that Ngoc Tu block granitoid has biomineral specialization. Mo, W, U.

For the first time, the thesis evaluated the Ngoc Tu block granitoid, showing that

the mass corresponds to the shallow intrusive facies and the average-low level of erosion.

Ha Noi, June 2023

Academic supervisor

PhD Candidate



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