

Koval'chuk M.S., Kroschko Yu.V. **Geochemistry aspects of lower cretaceous continental deposits of north slope central part of the Ukrainian shield.**

Highlight the results of geochemical studies of Lower Cretaceous continental deposits of the northern slope of the central part of the Ukrainian shield. The peculiarities of the distribution of major rock-forming components and trace elements in the rocks. Emphasis is placed on the geochemistry of gold - one of the main mineral components column. Found that gold actively migrated to hydrogenic form and concentrated on geochemical barriers at stages sedimentogenesis and diagenesis. It has been established that a significant effect of gold concentration on microorganisms provided.

Key words: geochemistry, lower Cretaceous, continental deposits, Ukrainian shield, gold.