

Kompanetz G.S., Koval'chuk M.S. **Geochemistry of copper at different stages of formation of red-terigenoy subformation (stebnytska suite) Carpathian trough.** The results of exploration of copper geochemistry which is coincident with the different stages of forming of Pre-Carpathian sag (Stebnik suite) red-colour terrigenous subformation are expounded. Concentrations of copper in the basic types of rocks are rated in accordance with their belonging to facies and physical and chemical terms of the environment of their forming in the lower, middle and overhead layers of this subformation, formed on the early, middle and late stages of its development. It gave an opportunity to set the consistent patterns of distribution and scale of accumulations of copper, corresponding to the specified stages. This, in turn, gives an opportunity to recreate the processes of distribution and concentration of copper in this sediment unit according to the dynamics of its forming and functioning as an integral geological system, that allows to contemplate the concentration of copper in intercommunications with the geological structure, tectonic regime of the Pre-Carpathian sag and specific of lithogenesis processes of this subformation.

Key words: geochemistry, copper, Pre-Carpathian sag, red-colour terrigenous subformation, Stebnik suite.