

**ALTERATION OF TYPOMORFIC AND TYPOCHEMIKAL
PROPERTIES OF ZIRCONS OF ACCESSORY MINERAL
ASSOCIATIONS IN THE LINE PRIMARY
SOURCE - CRUST OF WEATHERING - PLACER.**

Nenakhov V.M., Zolotareva G.S.

Accessory mineral associations of granitoids of the major phase of Pavlovsky complex, crust of weathering from granitoids as ore layer of yastrebovsky horizon occurring directly on granitoids and crust of weathering are studied. Peculiarities of zircons typomorphism and typochemism of the studied objects are studied. It is shown that zircon is subjected to great chemical alterations in the crust of weathering manifested in the process of cyrtholization, when the amount of SiO_2 and ZrO_2 decreases considerably. This process influences the zircons with increased concentrations of U , Th and rare elements. Cyrtholites are an important indicator of the vicinity of run-off source in formation of Devonian intermediate collectors.