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Geochemistry in stream sediments of Kishnica - Artana ore Fields and Their Comparison

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Abstract: Kishnica and Artana ore fields are the south continuation of so called Trepça metallogenic belt. The most common polymetallic sulphide deposits of Kishnica ore field are Hajvalia, Kishnica, Badovc deposits all of them are hydrothermal parageneses. In Artana ore field are situated Artana, Perroi i tharte and Perroi i ngjyrosur deposits. Deposits of Artana are contact-metasomatic-hydrothermal parageneses. In all territory of Kosova during 2006-2007 approx. 600 samples analyzed 53 elements and 2010-2011 was carried stream sediment sampling in total were collected 3406 samples including duplicates, replicates, standards and blanks the same were analyzed for 51 elements (almost 175000 analyses). In total 2006 – 2012 approx 4000 samples. For this study were taken only samples that are within Artana and Kishnica ore fields in total 347 samples, and that only for metals: Ag, As, Au, Ba, Cd, Co, Cr, Cu, Fe, Mn, Mo, Pb, Sb, Se and Zn. Purpose of this study was analyzing distribution, correlation, comparison of above metals within the same ore field and between Kishnica and Artana ore fields.

Keywords: *Geochemical, Polymetals, River-stream sediments, distribution, correlation, comparison.*

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