

Application of GIS Tecnology in Mining Geochemistry

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In this research ,GIS technology have been employed to model geochemical amomalies based on trace elements distribution pattern in monomineral. Monomineral samples from this database have been identified using a geochemical spectra and Bayes of the approach and combination their mathematical statistics methods, so-called SBC method. We have used SBC method for quantitatively recognition mineralogical and geochechemical anomalies and predict or highlight known areas of gold hydrothermal mineralization.