

Modern methods of analyse for activities of litogeochemical prospecting activity

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Since 1983, at S.C. IPEG Maramureş, geological prospecting and exploring factory, came into being a litogeochemical prospecting collective which tried to answer to the necessities imposed by the geological research from the north of Romania.

The purpose of this collective was the identification of some raw geochemical aureola which should lead to the discovering of new deposits.

Special results were obtained by using the AAS method of analyse - the classic method of analyse - and the ICP-AES. By the inductively coupled plasma atomic emission spectrometry analyse, which has higher detecting limits than other methods, the combination of raw aureola for: Ba, S, Cu, Bi, Mo etc, are much certain and the localisation of the new deposits, with minimal costs, is much probable.

The results obtained by the two methods (AAS and ICP-AES) are comparable. Though, ICP-AES is superior due to the detecting limits, stability and precision.