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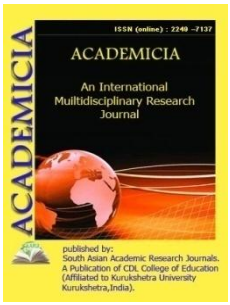

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THE CURRENT STATE OF THEORY AND TECHNOLOGY ENRICHMENT OF POLY METALLIC ORES AND ENRICHMENT PRODUCTS

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ABSTRACT

Many lead and especially lead-zinc ores contain copper. The copper content in lead concentrates obtained by enriching such ores with flotation is significant (3.5%). The presence of copper in lead concentrates reduces the extraction of lead during metallurgical alteration, and also complicates and increases the cost of lead smelting, and, in addition, creates difficult working conditions for workers in metallurgical workshops. In practical terms, the task of separating lead-copper concentrates by selective flotation is one of the most difficult. Researchers in recent years have been able to significantly develop and improve the technology for the separation of

lead-copper concentrates, due to which a number of factories have reduced the copper content in lead concentrates and increased lead extraction. However, this issue has not yet reached its radical solution, due to the difference in ores of different deposits in its chemical, mineralogical composition and other features.

KEYWORDS: *Selection, Desorption, Depression, Extraction, Product Output, Content, Ammophos, Mineralogical Composition, Phase Analysis, Polymetallic Ores, Qualitatively Quantitative Scheme.*

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