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The Recovery of Copper and Cobalt from Oxidized Copper Ore and Converter Slag

of

Berrin ZİYADANOĞULLARI, Recep ZİYADANOĞULLARI
Department of Chemistry, Faculty of Arts and Science,
Dicle University, Diyarbakır-TURKEY

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[Authors](#)

Abstract: The aim of this study was to develop a method for obtaining copper and cobalt from oxidized copper ore and converter slag. In order to convert the copper and cobalt into sulfate compounds the main step was to roast the samples obtained by sulfurization and transfer the samples into solution. First the oxidized copper ore was roasted, followed by the mixture of converter slag and oxidized copper ore. Since the levels of copper and cobalt were low, the sulfurization process was carried out under autoclave conditions. The samples obtained were roasted. The yields of copper and cobalt passed into the solution under optimum conditions were 96.7% and 86.1%, respectively.



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chem@tubitak.gov.tr

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