



“Gh. Asachi” Technical University of Iasi, Romania

STUDIES ON THE EXTRACTION OF COPPER AND ZINC FROM STERILE RESULTED IN MINING OPERATIONS

Cornelia Muntean*, Adina Negrea, Lavinia Lupa, Petru Negrea

*Faculty of Industrial Chemistry and Environmental Engineering,
Piața Victoriei no.2, 300006 Timisoara*

Abstract

The paper presents studies on the extraction of copper and zinc from sterile resulted in mining activities in order to find the optimum conditions for their extraction, in view of put them in good use. We studied the influence of the stirring time and the nature and concentration of extraction agents on the extraction degree of copper and zinc from samples collected in a mining area of Apuseni Mountains.

Keywords: mining operations, sterile dumps, copper recovery, zinc recovery

* Author to whom all correspondence should be addressed: Phone: 0256404164, e-mail: cornelia.muntean@chim.upt.ro