

عنوان مقاله:

Leaching optimization of copper from converter slag ash

محل انتشار:

مجله بین المللی علوم بهداشت و زندگی, دوره 2, شماره 1 (سال: 1395)

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خلاصه مقاله:

The main objective of this work was to determine the adequacy of Response Surface Methodology (RSM) in optimizing conditions for copper solubilization from a con-verter slag using sulfuric acid and to test the polynomial model associated with RSM. RSM was applied for optimization of the main factors, including initial pH, initial temperature, and pulp density. The maximum copper recovery was 100% under the optimal conditions of initial pH of 3, 1.4 g/100mL initial density, and 55°C. The con-firmation test showed that the model can predict conditions accurately

کلمات کلیدی:

,Leaching, Converter slag, Response Surface Methodology, Optimization

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