

Role of Electrometallurgy in Metal Extraction and Refining

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Abstract

Electrometallurgy provides technologies for extraction and refining of many metals. This paper presents some concepts on electrometallurgical extraction routes for metal production and purification with a particular reference to aluminium, magnesium, copper, lead, zinc, nickel, manganese, gold, silver etc. The basic principles and processes adopted for the above respective metals are described and discussed. In order to provide understanding of the subject, some theoretical aspects of various electrometallurgical processes are also discussed briefly.