



Recovery of Critical Raw Materials from Industrial Wastes by Advanced Methods

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Message from the Guest Editor

Raw Materials (RMs) are crucial to the world economy. The use as secondary RMs from marginal resources as industrial wastes, is of strategic importance for industrial production, due to their high concentration on valuable metals. RMs and CRMs (critical raw materials) are essential for the application of emerging modern technologies and to preserve the environment from technological waste, avoiding the release of pollutants components.

The advancement of the innovative processes such as bio-hydrometallurgy, electrowinning, phytoremediation, bioprecipitation, compared with the conventional processes, are given by the lowest environmental impact and energy consumption, and by the greater degree of purity of the valuable metals obtained.

For publication in the Special Issue "Recovery of critical raw materials from industrial wastes by advanced methods", those articles that contribute to the improvement of the of the above-mentioned methods considered.





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Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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