



Advances in Sustainable Hydrometallurgy

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Message from the Guest Editor

Dear Colleagues,

With the depletion of strategic metal resources, it makes a huge sense for their sustainable separation and utilization with more efficient and economy techniques. Please consider submitting some of your excellent work in a Special Issue of *Metals* devoted to aspects of sustainable hydrometallurgy. This also includes green and low-carbon hydrometallurgy process along with newly synthesized separation materials, recycling and re-utilization of waste resources with green, harmless and economical process. Possible topics include quantum chemistry calculations, thermodynamics, kinetics, surface and interface chemistry, liquid-solid separations, liquid-liquid separations, purification, solvent extraction, ion exchange, adsorption, precipitation, electrosorption technique and magnetic adsorption separation technology. Suggested application areas are in rare earth, thorium, uranium, gold, silver, palladium, platinum, ruthenium copper, cobalt, nickel, lithium, gallium, germanium, indium, etc., Both primary and recycled aspects will be 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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