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Recovery of Metals from Mine Tailings and Mineral Wastes/Residues by Hydrometallurgy

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

With the aim of sustainable development and the replenishment of metals from scarce non-primary resources, a relatively common practice is the extraction of metals like Co, Ni, Pt, Pd, Cu, Ag, Au, Ga, Ge, etc. from mine tailings (Zn, Cu, Al, Sn, Cr, U, etc.), and from mineral wastes generated post-processing (e.g., flotation tailings, pre-processed wastes, overburden, coal wastes, process rejects, waste rocks, slag, refuse/slimes, spent oil shales, etc.). The extraction of these metals and their associated elemental components by conventional processes is challenging due to the high associated cost, and thus it would be wiser to employ different combinations of preprocessing techniques before hydrometallurgical intervention. This Special Issue encourages submissions addressing topics within and beyond the above domain.

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Dr. Abhilash
Guest Editors

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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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