



Metallurgical Solid Wastes Treatment and Utilization

Guest Editor:

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Message from the Guest Editor

In the process of urbanization, the metallurgical industries have grown barbarically, which provide basic materials needed for infrastructures, industrial facilities, vehicles, and buildings. Large volumes of solid wastes are produced worldwide annually from the smelting, refining, and alloying activities of major metals, i.e., iron, copper, aluminum, zinc, lead. Metallurgical solid wastes typically consist of slags, sludge, dusts, etc. Considering its high environmental impacts and suitability as a potential resource, the utilization, treatment, and management of metallurgical solid wastes is of great importance in the context of resource recovery and environmental protection. Hence, more new techniques and applications need to be explored to ensure the long term environmental sustainability of the industry.

In this Special Issue, we invite contributions from research areas regarding the solid wastes characterization, and related resource recovery, reuse and recycling. Topics include but are not limited to generation and characterization of wastes, secondary metal recovery, carbon capture, waste to energy, waste to value added materials and their interdisciplinary applications.





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