Special Issue

Metallurgical Solid Wastes Treatment and Utilization

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.

Guest Editor

Dr. Peng Li

Shagang School of Iron and Steel, Soochow University, Suzhou 215021, China

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

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