# **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

### Deadline for manuscript submissions

closed (31 October 2022)



### Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/93696

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

mdpi.com/journal/ sustainability





### Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



### **About the Journal**

### Message from the Editor-in-Chief

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

#### **Author Benefits**

### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

### **High Visibility:**

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

