metals

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 5.3

Separation and Leaching for Metals Recovery

Guest Editor:

Prof. Dr. Jaeryeong Lee
Department of Energy and Resources Engineering (ENRE), Kangwon National University, Chuncheon 24341, Korea

Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editor

Dear Colleagues,

In recent decades, the interest in urban mines has been gradually increasing. As a result, the industrial scale and case for commercialization have also been increasing dramatically. Raw materials in the urban mining industry can be divided mainly into industrial waste (including scrap) and municipal waste (including end-of-life products). Unfortunately, the current recycling research and metal recovery rates for municipal waste are much lower compared to industrial waste. Municipal waste having these characteristics is not directly processed for metal recovery, and first requires separation and concentration using a separation pretreatment.

Therefore, further research is needed on the recovery and recycling of metal components from municipal wastes using a leaching process, as well as separation processes such as unit separation, dismantling/detaching, thermal decomposition, and physical separation (also referred to as mineral processing).

This Special Issue aims to address the latest research on not only leaching processes but also separation processes for waste with low-content metals (including end-life products), in order to achieve economic feasibility.

metals

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Yong Zhang
Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

Message from the Editor-in-Chief

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metals
metals@mdpi.com
𝕏@Metals_MDPI