



Sustainability in Process Metallurgy: Potentials to Increase the Resource Efficiency and Mitigate the Greenhouse Gas Emissions

Guest Editor:

Dr. Elsayed Mousa

Metallurgy Department, SE-974
37 Swerim AB, Luleå, Sweden

Deadline for manuscript
submissions:

closed (31 July 2021)

Message from the Guest Editor

Metallurgical sectors have recently undergone tremendous modifications and development to improve product quality, enhance efficiency of materials utilization, reduce energy consumption, and mitigate fossil CO₂ emissions. Utilization of renewable and green biocarbon energy and clean energy sources such as H₂ are under development to secure the sustainability of this vital sector, but also for the efficient recovery of metals and residue recirculation, which are essential to sustain zero waste valorization of metallic residues.

In this context and in order to stimulate a scientific and technological debate about these vital topics, the purpose of this Special Issue is to invite researchers in process metallurgy to share their research via an open access journal which will significantly help in developing progress in process metallurgy and sharing knowledge to solve the current global challenges related to metallurgical industry. Papers are invited which present new ideas, research, and technologies in the field of process metallurgy which can lead to more efficient metal extractions, material utilizations, effective energy usage, and lower GHG emissions.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

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.

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)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)