Special Issue

Process Modeling in Pyrometallurgical Engineering

Message from the Guest Editors

The goal of this Special Issue is to highlight the recent advances in the development and application of process modeling in metallurgical engineering, and how modeling and simulation can be applied to improve and intensify the processes in the metallurgical industry. The ultimate goal of the Issue is to receive contributions on the modeling and simulation of the pyrometallurgical processes in order to show the advancements in the field and the tools that may be used to understand, control, and optimize current processes, and to design new ones.

- Transport phenomena and modeling unit processes in pyrometallurgy
- Modeling of slag–metal interaction and related phenomena
- Multiphase flows in metallurgical processes (e.g., in blast furnace, direct reduction, BOF, EAF, LMF, RH, continuous casting, etc.): experimental and modeling approaches
- Modelling techniques for studying metallurgical phenomena at elevated temperatures
- Process modeling, supervision, and control in pyrometallurgy
- Innovative process developments in the metallurgical industry
- Development of sustainable pyrometallurgical processes

Guest Editors

Prof. Dr. Henrik Saxen

Prof. Dr. Marco A. Ramírez-Argáez

Prof. Dr. Alberto N. Conejo

Dr. Abhishek Dutta

Deadline for manuscript submissions

closed (30 September 2020)

Processes

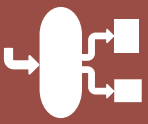
an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.1

mdpi.com/si/27571

Processes
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

mdpi.com/journal/processes



Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.1

mdpi.com/journal/processes

About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Chemical) / CiteScore - Q2 (Chemical Engineering (miscellaneous))

MDPI