Metallurgical Process Simulation and Optimization—2nd Volume

Guest Editors:

Prof. Dr. Qing Liu
State Key Laboratory of Advanced Metallurgy, University of Science and Technology Beijing, Beijing 100083, China

Dr. Jiangshan Zhang
State Key Laboratory of Advanced Metallurgy, University of Science and Technology Beijing, Beijing 100083, China

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Message from the Guest Editors

Dear Colleagues,

Metallurgy involves the art and science of extracting metals from their ores and modifying the metals for use. With thousands of years of development, many interdisciplinary technologies have been introduced into this traditional and large-scale industry. In modern metallurgical practices, modelling and simulation have been widely used to provide solutions for design, control, optimization, and visualization, and tend to be increasingly significant in the progress of digital transformation and intelligent metallurgy.

This Special Issue aims to provide an opportunity for researchers from both academia and industry to share their advances pertinent to the Special Issue "Metallurgical Process Simulation and Optimization," which covers the process of electric/oxygen steelmaking, secondary metallurgy, (continuous) casting, and processing. Both fundamental insights and practical foresights are greatly welcome in the form of research article or review, such as thermodynamics, kinetics, physical modelling, numerical simulation, CFD, 3D visualization, microstructural evolution, quality control, artificial intelligence, big data, and cloud computation.

Special Issue

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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