



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

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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.





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Message from the Editor-in-Chief

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