



## Green Metallurgical Process and Technology

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### Message from the Guest Editors

Recent advances in energy recovery and advanced technology for the metallurgy process have attracted attention. These include hydrogen smelting, electric furnace steelmaking, and high-nitrogen steel smelting technologies and the recovery of waste heat from metallurgical processes, amongst others. To achieve green metallurgical processes and technology, it is necessary to decrease energy consumption in iron and steel production. This Special Issue is aimed at all researchers and technologists interested in all aspects of the science, technology, and applications of green metallurgy processes and technology. It will feature original research papers and reviews related to hydrogen smelting, electric furnace steelmaking, high-nitrogen steel smelting, and energy recovery.

“Green Metallurgical Processes and Technology” aims to gather novel advances in reducing energy consumption and CO<sub>2</sub> emissions during the metallurgy process.

Potential topics include the following:

1. Hydrogen, low-carbon, and high-nitrogen smelting technologies;
2. CO<sub>2</sub> resource utilization;
3. Electric furnace steelmaking;
4. Recovery of waste heat from metallurgical slag.





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