

## Special Issue

# Utilization of Biomass towards a Climate-Neutral and Sustainable Steel Sector

### Message from the Guest Editors

The steel industry is one of the most important industrial sectors also one of the largest energy- and coal-consuming sectors. The use of biomass in iron- and steelmaking has been acknowledged as one possible solution to decrease CO<sub>2</sub> emissions.

This Special Issue welcomes articles related to the application of biofuels in iron- and steelmaking systems, and the formats include but are not limited to original research articles, research reports, reviews, mini-reviews, perspectives, etc.

Research themes include but are not limited to:

- Clean and efficient biomass upgrading technology
- Quantum chemistry research on the mechanism of biomass upgrading
- Biomass utilization in blast furnace ironmaking processes
- Technology of adding biomass to the coking process
- Technology of using biomass as fuel in the sintering and pelleting processes
- Application of biomass in non-blast-furnace ironmaking processes
- Biomass utilization in steelmaking processes and other metallurgical processes
- Life cycle analysis of the application of biomass in iron- and steelmaking systems

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### Guest Editors

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### Deadline for manuscript submissions

closed (26 February 2023)



## Sustainability

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### Editor-in-Chief

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