

Special Issue

Clean Thermal Utilization of Solid Carbon-Based Fuels

Message from the Guest Editors

Solid carbon-based fuels are highly relevant to developed society, and their amounts are huge. Solid carbon-based fuels typically consist of coal, biomass, and organic solid waste (tire, plastic, etc.), and they are commonly employed in electricity and chemical industries. Coal, biomass, and organic solid wastes typically consist of C, H, O, N, S, and others, and they are regarded as carriers of energy and resource. In addition, their usage is also relevant to CO₂, SO_x, and NO_x emissions. Therefore, the development and utilization of high-efficiency and low-emission solid carbon-based fuels are promising for the future. This Special Issue intends to present examples of the clean thermal utilization of solid carbon-based fuels. Topics include but are not limited to the following:

- Composition analysis of solid carbon-based fuels;
- Clean thermal utilization method and mechanism;
- Clean thermal reactor design and optimization;
- Products utilization and mechanism;
- Process analysis and optimization;
- Economic analysis and guidance.

Guest Editors

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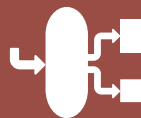
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