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Analysis and Modeling of Conversion Processes for Biomass, Coal and Other Solid Fuels to Overcome Current Issues

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Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editors

This Special Issue assembles papers covering recent approaches to improved process control based on a complementary understanding of ash behavior from the initial fuel up to the high temperature range by various measurement and modeling tools.

Keywords:

- Biomass and secondary carbon resources
- Thermochemical conversion processes
- Fouling, sintering, slagging, and agglomeration
- Selective gas phase transfer
- Ash composition
- Mineral phases
- Ash fusion
- Slag viscosity
- Thermodynamic modeling
- Recovery of valuable ash components (e.g., phosphor)
- Process control and optimization

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Message from the Editor-in-Chief

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