Special Issue

Recent Advances in Solid Fuel Conversion Technologies

Message from the Guest Editors

With growing concerns in environmental protection and global warming, there is an increased interest in advanced coal combustion technologies with low pollutant emissions (NOx, particulate matter, etc.), oxy-fuel coal combustion, the chemical looping combustion of coal, as well as advanced coal gasification technologies. This Special Issue focuses on recent advances in both experimental and numerical investigations of solid fuel conversion technologies, inviting original research papers as well as literature reviews. The topics of interest for this Special Issue include (but are not limited to):

- Coal combustion and biomass combustion;
- Low pollutant emissions;
- Advanced fuel conversion technologies (oxy-fuel combustion, chemical looping combustion, gasification, etc.);
- Experimental and modelling of solid fuel conversion processes;
- Lab-scale, pilot-scale, and full-scale (industrial) investigations;
- Flame stability and radiation heat transfer;
- Slagging, fouling, and corrosion.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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