Special Issue

Advances in Solid Fuels Conversion to Enable the Global Energy Transitions

Message from the Guest Editors

The urgency in finding solutions to global warming is changing the paradigm of solid fuels utilization. There is an increased interest in the exploitation of solid fuels, including biomass and waste, for the production of energy, biofuels, chemicals, and advanced materials. Nevertheless, in fossil fuel-rich countries, the energy demand in coming decades will continue to rely heavily on coal and capture ready combustion systems (oxycombustion, CLC), coupled with CO2 capture and utilization, which will be very important to meet the CO2 reduction targets. This Special Issue welcomes contributions on all aspects related to thermochemical and biotechnological processes for the transformation of solid fuels in the context of decarbonization and circular economy.

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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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