Special Issue

Thermochemical Conversion Processes for Solid Fuels and Renewable Energies: Volume II

Message from the Guest Editors

This new Special Issue is a continuation of the previous Special Issue “Thermochemical Conversion Processes for Solid Fuels and Renewable Energies”, which was closed in October 2020 including 10 valuable peer-reviewed papers. The new Special Issue welcomes basic scientific studies on the latest research progress in terms of the development and optimization of conversion processes, especially for intermittent renewable energy sources, with the thermodynamic analysis, CFD, and process simulation of these systems. The topics of interest to this Special Issue include but are not limited to:

- Gasification and combustion of alternative fuels (e.g., biomass, refuse-derived fuel, solid recovered fuel, and low-rank coal);
- Technological combinations of conversion processes based on renewable sources (power-to-fuel);
- Carbon capture and storage/utilization CCS/U technologies (carbon capture-to-fuel);
- Thermodynamic study, CFD, and process simulation of the above-mentioned topics.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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