Special Issue

Advances in Efficient Thermal Conversion of Carbon-Based Fuels

Message from the Guest Editors

Since inception, humans have continuously obtained the energy and materials necessary for survival and development from carbon-based resources in nature, to then discharge the carbon-containing waste back into nature. Although we have lived peacefully in this world composed of carbon elements for nearly a million years, we have never as alarmed about the potential threat posed by the imbalanced carbon cycle to human life under today's severe environmental pressures. Faced with the adverse situation of the extensive use of carbon-based fuels, sufficient attention should be devoted to this issue in order to reverse the traditional extensive utilization of carbon-based fuels. By establishing this Special Issue, we hope to explore the thermal conversion characteristics and advanced utilization technologies of various carbon-based fuels, as well as the pollutant emissions and prevention measures in the thermal conversion process, thus providing a reference for the clean, low-carbon, and efficient utilization of carbon-based fuels.

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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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