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Special Issue Reprint

Advanced Energy Technologies and Energy Savings

Edited by: Shujun Zhu, Shuai Guo, Zhuozhi Wang and Lianfei Xu

The global pursuit of sustainable energy solutions has driven significant advancements in energy technologies and energy-saving strategies. As we face pressing environmental and energy challenges, the development of innovative systems with low emissions and high efficiencies has become a top priority. Key areas of focus include renewable energy technologies such as wind and biomass, as well as improvements in traditional energy systems like coal-fired power plants. Advanced coal-fired power generation, incorporating high-efficiency and low-emission (HELE) technologies, continues to play a critical role in the global energy mix, offering pathways to the cleaner and more efficient utilization of fossil fuels.

This Reprint aims to provide a platform for showcasing the latest advancements and innovations across a broad spectrum of energy technologies, from renewable energy systems to traditional coal-fired power plants. Contributions highlighting strategies to optimize energy conversion, enhance energy efficiency, and minimize environmental impact are particularly encouraged.

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