

Special Issue

Advances in Sustainable Energy Technologies and Energy Systems

Message from the Guest Editors

In light of the current climate change and depletion of natural resources, advancements in sustainable energy technology and energy systems are imperative. Smart energy management system integration, along with automation and digitization, is optimizing power grid dependability and efficiency. In addition, the electrification of industries and transportation is fundamentally changing how we generate and use energy. In addition to having positive effects on the environment, the shift to a more sustainable energy matrix offers substantial economic and societal benefits, including increased employment stability and job development.

Notable obstacles continue to exist, such as the necessity of enhancing regulations and infrastructure, along with tackling financial and technological impediments. In conclusion, developments in sustainable energy systems and technologies are revolutionizing the world's energy environment and providing creative answers for a more affluent and clean future.

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