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Climate Changes and the Impacts on Power and Energy Systems

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Message from the Guest Editors

Dear Colleagues,

Topics of interest for publication include, but are not limited to:

- Analysis of impacts of global warmings, increasing CO₂, Gulf-stream, etc., on climate changes, temperature changes, winter storms, power and energy consumption, peak electrical loads, power grid planning, buildings energy planning, and passenger car vehicles.
- Investigating the affection mechanisms of renewable energy resources including wind, solar, hydrogen, bioenergy, biomass, geothermal, and hydropower due to climate changes.
- Technologies and solutions for electrical power and energy systems for both power grid and buildings against climate changes.
- Electrical power and energy system answers for decarbonization of transportation (road, rail, air, and pipeline), industrial, and buildings.
- Applications of technologies such as quantum computing, blockchain, Internet of Things, Artificial Intelligence, Machine Learning, and Deep Learning in climate resilience building and decarbonization of electrical power and energy systems.
- Review papers covering the state of the art of literature on climate change and impacts on power and energy systems.



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Special Issue



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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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