

## Special Issue

# Climate Change in Power and Energy Systems: Challenges, Innovations, and Solutions

### Message from the Guest Editors

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

- An analysis of impacts of climate change, extreme weather events (such as thunderstorms, hurricanes, wildfires, and storms), global warming, greenhouse gas emissions, and climatic indices on electrical power and energy consumption, peak electrical loads, power grid planning, building energy planning, energy infrastructure resilience, demand-side energy management, and energy efficiency.
- Investigating the affection mechanisms of renewable energy systems involving resources such as wind, solar, hydrogen, bioenergy, biomass, geothermal energy, and hydropower due to climate changes.
- Technologies and solutions for electrical power and energy systems for both power grids and buildings against climate changes.
- Electrical power and energy system solutions for the decarbonization of transportation (road, rail, air, and pipeline), buildings, and industries.
- Applications of technologies such as artificial intelligence (AI), machine learning (ML), and deep learning (DL) in climate resilience building and the decarbonization of electrical power and energy systems, etc.

### Guest Editors

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Dr. Shoaib Azizi

Dr. Anjan Rao Puttige

### Deadline for manuscript submissions

10 September 2025



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## About the Journal

### 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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### Editor-in-Chief

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