

Special Issue

Advancement in Renewable Energy Technologies and Smart Grid

Message from the Guest Editor

As conventional sources are decreasing day by day, the world is looking toward renewable energy sources (RES). Reliable access to energy is a key element of economic and social development, as conventional energy sources produce atmospheric pollution and release greenhouse gases, leading to global warming. By contrast, the advancement in RES fosters a decentralized society and smaller and safer power-generating stations, strengthening local communities. Due to advanced technologies in many countries, centralized power stations will be replaced with smart grids. RES are becoming integrated in vast swathes to the grid at all voltage levels. This Special Issue is dedicated to the current state, potential, and perspectives of RES and smart grids. The technology advancements in RES and smart grids are characterized by increased efficiency and decrease in cost of installations and energy losses. Topics of interest for publication include but are not limited to the following:

- Renewable energy
- Smart grids
- Power quality solutions in integrated systems
- Cybersecurity

Guest Editor

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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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