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Advancement in Renewable Energy Technologies and Smart Grid

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

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 produces atmospheric pollution and releases 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

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Message from the Editor-in-Chief

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