



Renewable Based Energy Distributed Generation

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Message from the Guest Editors

In this Special Issue, we encourage the submission of original contributions that cover the emerging challenges in renewable-based energy distributed generation technologies in modern power systems. It will be our pleasure to provide a platform to bring together university scientists, researchers, and leading researchers to share their thoughts, ideas, experiences, and research results on all aspects of the renewable-based energy-distributed generation of modern electrical systems and smart networks. This includes problem descriptions, the application of new optimization methodologies in power system planning, resource management, microgrid performance enhancement, uncertainty/sensitivity calculations, case studies, and applications.

Keywords:

- power system planning
- renewable energy integration
- micro- and nanogrids
- resource management
- reliability
- uncertainty
- optimization
- decision making
- distributed generation
- electricity markets
- energy storage
- power quality
- electric vehicles
- future trends
- case studies





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Message from the Editor-in-Chief

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Journal Rank: CiteScore - Q1 (Control and Optimization)

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