



Advances in Renewable Energy and Electricity Generation

Guest Editors:

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Deadline for manuscript
submissions:

15 June 2024

Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Electronics*, entitled “Advances in Renewable Energy and Electricity Generation”, seeks to elucidate the significant advancements in renewable energy technologies and their integration into the broader electricity generation ecosystem.

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

- renewable energy technologies
- distributed generation
- smart grids
- microgrids
- energy storage
- HVDC and UHV transmission
- power system monitoring, protection, and control
- transmission and distribution system dynamic modeling
- grid monitoring and advanced metering infrastructures
- system integration of distributed energy resources, islanding, and hosting capacity
- voltage control, and stability
- artificial intelligent applications to power systems





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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

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