

Special Issue

Advances in Renewable Energy and Electricity Generation

Message from the Guest Editors

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

Guest Editors

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Deadline for manuscript submissions

closed (15 September 2025)



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About the Journal

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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).