

Special Issue

Advances in Renewable Energy Technologies and Systems for Smart Cities

Message from the Guest Editors

The global transition towards renewable energy is critical for mitigating climate change and achieving sustainable development, particularly within the context of smart cities. This Special Issue addresses crucial topics including innovative technologies and the in-depth research of renewable energy systems integrated into the grid and other urban infrastructures, all of which are vital for the sustainable development of smart cities.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: Control, modeling, optimization, and management of renewable energy systems;

Renewable energy systems and technologies for smart cities;

Coordination of renewable energy systems with transportation systems and urban infrastructure; Smart buildings and their interaction with renewable energy systems;

Battery energy storage applications in smart cities;

Renewable energy systems in modern electricity markets;

Economic analysis, prediction technologies, and Electronics in renewable energy systems.

Guest Editors

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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).