

## Special Issue

# Trends and Prospects in DC–DC/DC–AC Converters and Their Control Techniques for Renewable Energy Applications: 2nd Edition

### Message from the Guest Editor

Following the success of its first edition, this Special Issue continues to present the latest research on DC–DC and DC–AC converters and their control techniques for renewable energy applications. Topics include innovative converter topologies, soft switching, resonant and multilevel converters, and power electronic interfaces that enhance efficiency and reduce costs. We welcome original research on advanced control strategies such as voltage/current mode control, predictive control, sliding mode control, PID, and model predictive control. These methods aim to improve converter dynamics and reliability. This Special Issue serves as a valuable resource for researchers, engineers, and practitioners in power electronics and renewable energy systems, providing insights into emerging trends and technologies in energy conversion.

### Guest Editor

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### Deadline for manuscript submissions

closed (15 May 2026)



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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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