



## Power Converters for Industrial Applications: New Insights and Trends

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Deadline for manuscript  
submissions:

**15 August 2025**

### Message from the Guest Editors

Dear Colleagues,

Power converters play a key role in modern industrial applications, serving as the backbone for efficient energy management and control. This aims to explore the latest advances, innovative designs, and emerging trends in power converter technology.

This Special Issue will delve into the following key areas:

1. Advanced Power Converter Designs: research on new topologies and configurations that enhance performance.
2. High-Efficiency Converters: studies focused on improving the efficiency of power converters.
3. Integration with Renewable Energy Systems: innovations that facilitate the seamless integration of renewable energy sources into the existing industrial power systems.
4. Smart Grids and IoT: exploration of power converters' role in smart grids and their interface with IoT devices.
5. Reliability and Longevity: research addressing the durability and reliability of power converters in harsh industrial environments.
6. Motor Drives: development of power converters for motor drives, emphasizing efficiency and reliability in various industrial applications.

We look forward to receiving your contributions.





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## Editor-in-Chief

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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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