

Special Issue

Advanced Energy Storage Technologies for Integration in Sustainable Energy Systems

Message from the Guest Editor

This Special Issue aims to explore the multidisciplinary advancements in energy storage technologies and their integration into sustainable energy systems. Potential topics include but are not limited to the following:

- Renewable energy integration
- AI-driven strategies for storage optimization and management
- Advances in hybrid storage solutions, including batteries and hydrogen systems
- Cutting-edge materials for enhanced energy storage performance
- Electric vehicles as mobile storage units and their grid interaction
- Flexible and quantum electronics in energy storage
- Microelectronics and power electronics for storage systems
- Novel sensors and diagnostics for storage performance monitoring
- Safety, reliability, and lifecycle assessment of storage technologies
- Semiconductor innovations in storage device design

Guest Editor

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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 guest-edited by leading experts in selected topics of interest.

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