

Special Issue

Smart Grid Energy Management: Advancing Sustainability and Cybersecurity

Message from the Guest Editors

This Special Issue, "Smart Grid Energy Management: Advancing Sustainability and Cybersecurity," seeks to explore cutting-edge strategies for enhancing the sustainability and security of smart grids. As renewable energy, digital technologies, and decentralized energy markets become more intertwined, smart energy management systems (EMSs) become indispensable for maximizing resource efficiency while preserving grid security and stability. Advanced subjects include blockchain for decentralized energy transactions, smart grid cybersecurity, and forecasting powered by artificial intelligence, and energy system optimization strategies will also be covered. By demonstrating how cutting-edge technology may address socioeconomic and environmental issues connected to sustainable energy consumption, the goal is to close gaps in the literature. We invite submissions that present novel frameworks, models, and case studies that push the boundaries of current research, contributing to more sustainable and secure energy infrastructures.

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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