

Special Issue

The Convergence of IoT and Energy System: Advancing Environmental Sustainability

Message from the Guest Editors

The convergence of the Internet of Things (IoT) and energy systems is paving the way for innovative solutions to address environmental sustainability challenges. IoT technologies enable seamless connectivity and real-time monitoring across energy systems, facilitating more efficient energy production, distribution, and consumption. Integrating IoT with renewable energy sources, smart grids, and energy storage systems can optimize resource utilization, reduce waste, and minimize carbon footprints. The Special Issue on "The Convergence of IoT and Energy System: Advancing Environmental Sustainability" invites cutting-edge research contributions exploring IoT applications in energy systems, including:

- Smart grids and renewable energy integration;
- Energy-efficient IoT devices and networks;
- Predictive analytics and AI for energy optimization;
- Decentralized energy systems and blockchain solutions;
- Cybersecurity and data management in IoT energy networks;
- Socioeconomic and policy implications of IoT-enabled energy systems.

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Message from the Editor-in-Chief

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.

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