

Special Issue

Advanced Energy Management and Audit Approaches for Sustainable Decarbonization

Message from the Guest Editors

This Special Issue invites papers on innovative energy management and auditing, and their policy interactions. Topics include:

- Comprehensive energy audit: data collection, baseline, energy balance, inefficiency identification.
- Robust KPIs for benchmarking, monitoring, and continuous improvement.
- Integration of smart metering, IIoT, AI, digital twins in audits.
- Energy performance optimization in industrial, building, tertiary sectors.
- OpEx methodologies (VSM, PDCA) impact on energy efficiency, waste reduction, process stabilization.
- Innovative evaluation of energy efficiency economic sustainability, considering multiple benefits.
- M&V, uncertainty analysis, techno-economic assessment of energy efficiency and decarbonization.
- Energy management systems (ISO 50001) alignment with policies, regulations, incentives for sustainable decarbonization.
- Cross-sectoral linking audit results to sustainability, compliance, decarbonization.

We look forward to your contributions.

Guest Editors

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Deadline for manuscript submissions

31 March 2027



Sustainability

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Impact Factor 4.1
CiteScore 8.9



mdpi.com/si/274869

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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

Prof. Dr. Steve W. Lyon

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