



Special Issue on
Energy Optimization and Emerging Technologies
Call for Papers

Energy Optimization and Emerging Technologies is a multidisciplinary field focused on enhancing energy efficiency, sustainability, and performance through innovative technologies and optimization strategies. It explores advanced methods for energy management, smart grid systems, renewable energy integration, and cutting-edge solutions such as artificial intelligence, machine learning, and IoT in energy systems. The field also covers energy storage, power distribution, demand-side management, and emerging materials for energy applications. By combining computational techniques, data analytics, and novel engineering approaches, it aims to develop sustainable and cost-effective energy solutions for the future.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Energy Optimization and Emerging Technologies**. Potential topics include, but are not limited to:

- Energy optimization
- Renewable energy
- Smart grids
- Energy efficiency
- Power management
- Demand-side management
- Energy storage systems
- Sustainable energy
- Grid integration
- Artificial intelligence in energy
- Machine learning for energy systems
- Internet of Things (IoT) in energy
- Energy modeling and simulation
- Optimization algorithms
- Power system reliability
- Green energy technologies
- Electric vehicles and charging infrastructure
- Hybrid energy systems
- Advanced materials for energy
- Decentralized energy systems
- Energy policy and regulations
- Carbon footprint reduction



Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Energy Optimization and Emerging Technologies**” should be selected during your submission.

Special Issue Timetable:

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Guest Editor:

Dr. G.Lakshminarayana

Department of Electrical and Electronics Engineering, VNR Vignana Jyothi Institute of Engineering and Technology, India

For further questions or inquiries, please contact Editorial Assistant at ojee@scirp.org.