

Special Issue

Power Grids' Future Perspective in the Mainstream E-mobility Era and under the Umbrella of Sustainable Development

Message from the Guest Editors

This SI welcomes original research and review papers on, but not limited to, the following themes :

1. Optimizations and energy management towards sustainable power grids; 2. Integrating renewable energy sources into power systems for a sustainable environment; 3. Optimal operation and control of power distribution networks in presence of EVs; 4.

Environmental impacts of transportation electrification;

5. Evaluation methods for electrified transportation systems; 6. Electric vehicle charging infrastructure planning; 7. Urban transport electrification and energy consumption; 8. New transport systems concepts and future perspectives; 9. Electric vehicles and the environment; 10. Theoretical developments in the planning and operation of sustainable EVs; 11. Energy storage devices for sustainable EVs' demand; 12. Energy infrastructure for electrical transportation; 13. Modeling and analysis of modern and future sustainable electric vehicles energy systems; 14. Smart energy management in electric vehicles for energy saving; 15. Energy savings through optimized EV charging in bidirectional energy flow V2G and G2V.

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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. 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

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