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

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Deadline for manuscript submissions:

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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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