



Towards a Sustainable Future: The Role of Electric Vehicles and Smart Grids in the Energy Transition

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Message from the Guest Editors

Dear Colleagues,

The integration of Electric Vehicles (EVs) and Smart Grids has the potential to revolutionize the way we produce, distribute, and consume energy. This Special Issue of the Journal of Applied Sciences on "Electric Vehicles and Smart Grids: Green Challenges" aims to bring together the latest research and developments in the field, with a particular focus on addressing the green challenges of our energy system. The topics covered in this Special Issue include (but are not limited to):

- Grid integration and management of renewable energy sources
- Battery technology and charging infrastructure
- Vehicle-to-grid (V2G), vehicle-to-home (V2H) and vehicle-to-vehicle (V2V) technologies
- Smart mobility and electrified transportation systems
- Energy policy and regulation of EVs in smart grids
- Cybersecurity challenges for EVs integration in smart grids
- Standards and interoperability of EV infrastructure systems

For more information on the Special Issue, please visit LINK

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Message from the Editor-in-Chief

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