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Integration of Electrical Vehicles and Renewable Energy Resources into Power Distribution Networks

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Message from the Guest Editors

This **Special Issue** focuses on recent advances in technology for EVs charging schemes that reduce the degradation of the EV batteries that support its use as ancillary service provider to the grid with the consideration of high penetration of RES. It includes, but is not limited to, the following topics:

- Power electronic converter for (DC) charging of EVs with bidirectional capability
- Investigation of the synergy between RES and EV charging demand
- Power management techniques for EV/RES systems to reduce grid congestion
- Intelligent systems for optimal sizing, location, and control of EVs as energy storage to enhance the voltage profile and relieve grid loadings
- Charging electric vehicles from RES in microgrids

Deadline for manuscript
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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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