



Electric and Hybrid Vehicles in a Smart Grid Scenario

Guest Editor:

Dr. Ottorino Veneri

Institute of Sciences and
Technologies for Sustainable
Energy and Mobility (STEMS),
National Research Council of
Italy (CNR), 80125 Naples, Italy

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

Electric vehicles and renewable energy sources are expected to play a fundamental role in reducing huge amount of carbon emissions caused by both the transportation and power generation sectors. Based on full electric or hybrid drives, represent a very interesting opportunity to solve various problems concerning liquid fossil fuel dependence. Academia and the electric power systems industry are about to face technical and economic issues related to the massive integration of electric and plug-in hybrid electric vehicles in the electric grid, as electricity is becoming the preferred energy vector for the next new generation of road vehicles. Starting from a deep analysis of the above main issues, based on the status of the literature and ongoing research projects, this Special Issue presents a wide review of the new power technologies that allow the design of innovative transportation solutions towards sustainable transport.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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. *Sustainability* publishes original research articles, review 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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)