

Special Issue

Electric Vehicles—Solution toward Zero Emission from the Transport Sector

Message from the Guest Editor

Internal combustion engine (ICE)-based vehicles have contributed considerably to air pollution. Displacement of this ICE engine with EVs is one of the potential choices which can abate air pollution and make vehicles independent from oil. EVs are not only limited to just full-sized cars but also include two- and three-wheeled vehicles, which are a popular transport medium in developing countries. Batteries, ultracapacitors, and fuel cells are the energy sources for EV. Depending on the EV type, one or multiple of these sources can be used in an EV. However, integration of the EV in the transport sector has major obstacles which include battery cost and efficiencies, the potential of the EV charging station, and the impact of EV integration to the grid. In addition, consumer readiness and willingness to pay and accept are some also non-ignorable factors which limit the widespread implementation of EVs. As it is evident that EVs have the potential to contribute to the decarbonization of transportation, this Special Issue invites original papers and review articles on all aspects connected to EVs, batteries, fuel cells, and capacitor and consumer perspectives for EV uptake.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2021)



World Electric Vehicle Journal

an Open Access Journal
Published by MDPI

Impact Factor 2.6
CiteScore 4.5



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World Electric Vehicle Journal
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About the Journal

Message from the Editor-in-Chief

The *World Electric Vehicle Journal* is the official journal of the World Electric Vehicle Association (WEVA) and its members the European Association for Electromobility (AVERE), the Electric Drive Transportation Association (EDTA), and the Electric Vehicle Association of Asia Pacific (EVAAP). Since its foundation in 2007, the journal has aimed to provide a publishing platform for the academic and industrial world to share the latest developments and knowledge about electric vehicles. If you are developing Electric, Plug-in Hybrid, Hybrid Electric, or Fuel Cell Vehicles, we cordially invite you to consider us as the place for you to publish your latest results and innovations.

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