



## Grid Integrated Electric Vehicles

Guest Editor:

**Dr. Sara Deilami**

School of Engineering/Faculty of  
Science and Engineering,  
Macquarie University, Sydney,  
NSW 2109, Australia

Deadline for manuscript  
submissions:

**closed (31 October 2020)**

### Message from the Guest Editor

Electric vehicles have become increasingly attractive due to their associated CO<sub>2</sub> reduction and their environmental benefits. The transport sector is moving towards electric mobility and a green future, developing sustainable and efficient energy. Electric vehicle manufacturers have been continuously trying to introduce their latest electric vehicle generations to the smart grid. The large deployment of EVs and the integration of renewable energy resources into smart grids can lead to major issues for power system networks. This Special Issue explores the potential of electric vehicles to contribute to the transformation of transport; the required infrastructure for electric vehicle charging, addressing the major charging issues and providing future solutions and developments in the field of electric vehicle technology; economic concerns; energy efficiency; charging strategies; and public transportation. Prospective authors are invited to submit their articles with original contributions for review and possible publication in this Special Issue.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Joeri Van Mierlo**

MOBI—Electromobility Research  
Centre, Department of Electrical  
Engineering and Energy  
Technology, Faculty of  
Engineering Sciences, Vrije  
Universiteit Brussel, 1050 Brussel,  
Belgium

## Message from the Editor-in-Chief

The *World Electric Vehicle Journal* is the official journal of 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 aims 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.

## Author Benefits

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

**High Visibility:** indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Ei Compendex](#), and [other databases](#).

**Journal Rank:** CiteScore - Q2 (*Automotive Engineering*)

## Contact Us

---

*World Electric Vehicle Journal*  
Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/wevj](http://mdpi.com/journal/wevj)  
[wevj@mdpi.com](mailto:wevj@mdpi.com)