



## Photovoltaic (PV) Sources in Transportation: PV-Powered Vehicles and PV-Powered Charging Stations

Guest Editor:

**Prof. Dr. Manuela Sechilariu**

AVENUES, Université de  
Technologie de Compiègne,  
Centre Pierre Guillaumat-CS 60  
319, 60203 Compiègne, France

Deadline for manuscript  
submissions:

**closed (20 December 2021)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on the possible contributions of PV technologies, as well as the deployment of PV sources, in the transport sector (on-board and stationary PV generators). Authors are invited to submit original contributions for review and possible publication. This Special Issue includes, but is not limited, the following topics:

- PV technologies for EVs (car, buses, trucks, etc.);
- EVs powered by on-board PV generators (car, buses, trucks, etc.);
- PV-powered infrastructure charging stations (multi-source systems, microgrids, etc.);
- New services associated with the PV-powered charging stations: V2G, V2H/V2B;
- Power electronic converter requirements and barriers for V2G, V2H/V2B;
- Intelligent systems for energy management for PV-powered vehicles;
- Intelligent systems for energy management for PV-powered charging stations;
- State-of-the-art reviews on PV technologies for EVs, PV-powered vehicles and PV-powered charging stations;



[mdpi.com/si/43807](https://mdpi.com/si/43807)

Prof. Dr. Manuela Sechilariu

*Guest Editor*

**Special** Issue



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

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

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (Fluid Flow and Transfer Processes)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[appls@mdpi.com](mailto:appls@mdpi.com)  
[X@Appls](https://twitter.com/appls)