

# Special Issue

## Vehicles Challenges

### Message from the Guest Editors

The journal delves into cutting-edge topics such as autonomous driving, electrification, electric vehicles, and intelligent transportation systems. It also addresses pressing issues related to vehicle safety, cybersecurity, and environmental sustainability and the impact of legislative changes on vehicle development and manufacturing. In addition to traditional powertrains, Vehicles Challenges investigates the potential of alternative fuels, including hydrogen, biofuels, and synthetic fuels. By examining these emerging technologies, including advancements in electric vehicles, the journal provides new perspectives and solutions for the future of transportation. The aim is to foster a deeper understanding of the complex issues facing both vehicles and the automotive industry and to stimulate innovative solutions. Vehicles Challenges covers a wide range of topics that contribute to the advancement of the vehicle sector. By promoting interdisciplinary collaboration and knowledge exchange among researchers, industry professionals, and policymakers, the journal seeks to drive innovation and address the multifaceted issues impacting vehicles and transportation systems today.

---

### Guest Editors

Dr. Domenico Mazzeo

Department of Energy, Politecnico di Milano, Via Giuseppe La Masa, 34, 20156 Milano, Italy

Dr. Aleš Dittrich

Department of Vehicles and Engines, Faculty of Mechanical Engineering, Technical University of Liberec, Studentská 1402, 46117 Liberec, Czech Republic

---

### Deadline for manuscript submissions

closed (20 March 2026)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/210373](https://mdpi.com/si/210373)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://www.mdpi.com/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### 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.

---

### Editor-in-Chief

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

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )