

## Special Issue

# Air Vehicle Operations: Opportunities, Challenges and Future Trends

### Message from the Guest Editor

This Special Issue covers topics such as advanced communication systems, including 6G and non-terrestrial networks for seamless handover, traffic steering, and reliable links; innovative navigation and robust control methods for autonomous operations; safety and reliability strategies addressing technological and regulatory challenges; sustainable flying vehicle systems with energy-efficient designs, renewable integration, and battery technologies; AI and machine learning advances enabling high autonomy for unmanned aircraft; integration of eVTOL vehicles into urban air mobility ecosystems with efficient traffic management; and operational models, pilot projects, and case studies showcasing the real-world deployment and benefits of advanced air mobility solutions.

### Guest Editor

Prof. Dr. Saba Al-Rubaye  
Centre for Autonomous and Cyberphysical Systems, Cranfield  
University, Cranfield MK43 0AL, UK

### Deadline for manuscript submissions

closed (30 April 2026)



## Vehicles

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

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## About the Journal

### Message from the Editor-in-Chief

In response to economic, political, and environmental pressures, the automotive vehicle community is expanding its research, development, and production of more energysaving, environmentally friendly, and safer ground vehicles through vehicle electrification, powertrain hybridization, high-efficiency drivetrain, autonomous or automated driving, vehicle connectivity, and infrastructure.

*Vehicles* is a new open access and peer-reviewed international journal that will facilitate rapid publication of scholarly articles on studies related to ground vehicles. Its mission is to publish cutting edge articles, conference proceedings, and to organize Special Issues which highlight outstanding research on specific topics regarding all landbased vehicles with regards to the design, modeling and simulation, manufacture, testing, and operation and modification of those vehicles and their engineering systems.

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### Editor-in-Chief

Prof. Dr. Mohammed Chadli

Department UFR Sciences and Technologies, Université Evry Paris-Saclay, 91020 Evry, France

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indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q2 (Automotive Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.4 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the second half of 2025).