

## Special Issue

# Autonomous Vehicles: Advances and Prospects

### Message from the Guest Editor

This Special Issue of *Applied Sciences* aims to highlight the latest innovations, methodologies, and applications in the field of autonomous vehicles (AVs). We welcome original research articles, case studies, and comprehensive reviews covering a wide spectrum of topics including, but not limited to, the following: artificial intelligence and machine learning for autonomy, sensor fusion, safety and validation techniques, reliability, human-machine interaction, cybersecurity, infrastructure integration, vehicle connectivity and V2X communication, perception systems, path planning, control algorithms, and regulatory frameworks. We also encourage submissions that address societal impacts, mobility efficiency, and the integration of AVs into personal, commercial, and public transport systems. We look forward to your valuable contributions and to sharing the latest advancements with the broader scientific and engineering community.

### Guest Editor

Dr. Erika E. Gallegos

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### Deadline for manuscript submissions

31 March 2026



## Applied Sciences

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### 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.

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### Editor-in-Chief

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