

Special Issue

Artificial Intelligence in Sustainable Transportation

Message from the Guest Editors

Artificial intelligence (AI) has emerged as a transformative technology, poised to revolutionize the transportation sector via optimizing systems, reducing emissions, and enhancing the overall travel experience. AI-powered solutions hold immense potential to revolutionize the landscape of sustainable transportation, thus enabling innovative strategies and technologies that can drive the transition towards a greener, more efficient, and environmentally responsible mobility ecosystem.

- AI and Big data applications in the sustainable transportation.
- AI applications for traffic management and optimization
- AI-powered optimization of the shared mobility service.
- AI applications in freight transportation.
- AI-based solutions for multi-modal transportation integration and optimization.
- AI-based optimization of new energy vehicle operations and charging infrastructure.
- AI-assisted pollutant emissions reduction strategies for transportation systems.
- AI-based perception from infrastructure
- Cooperative energy management and optimization for new mobility means.
- AI-based traffic accident causal analysis.
- Connected and autonomous vehicles for green transportation

Guest Editors

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Deadline for manuscript submissions

closed (10 November 2025)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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