Special Issue

Sustainable Traffic Flow Management and Smart Transportation

Message from the Guest Editors

This Special Issue focuses on innovative approaches and technologies for sustainable traffic flow management and smart transportation systems. As urbanization accelerates and vehicle ownership increases, traditional traffic management strategies are becoming insufficient in addressing congestion, pollution, and safety concerns. Through this Special Issue, we aim to provide a platform for researchers and practitioners to share their findings, foster collaboration, and contribute to the ongoing discourse on sustainable urban mobility. Topics of interest include but are not limited to the following:

- AI-driven traffic signal optimization;
- Impact of connected vehicles on traffic flow;
- Sustainable public transportation models;
- Advanced autonomous driving technology;
- Human–vehicle cooperation control in mixed traffic;
- Data-driven approaches for traffic incident management;
- Environmental impact assessment of traffic management strategies;
- User behavior and smart transportation systems;
- Resilient transportation systems under climate change;
- Collaborative positioning of intelligent connected vehicles in complex urban environments.

Guest Editors

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Deadline for manuscript submissions

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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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