

Special Issue

Road Safety, Aberrant Driver Behaviour and Sustainable Transportation Planning

Message from the Guest Editors

As transportation systems evolve with the advancement of intelligent technologies, a siloed approach to safety, behaviour, and planning is no longer sufficient. This Special Issue highlights the need for an integrated framework that considers road safety in conjunction with driver behaviour, Intelligent Transport Systems (ITSs), and long-term planning for sustainable mobility. By bringing together interdisciplinary research, this Special Issue aims to showcase innovative strategies and data-driven interventions that collectively contribute to safer, smarter, and more environmentally responsible transport networks.

We invite original research articles and review papers that examine these connections through empirical studies, simulations, policy evaluations, or theoretical frameworks. Contributions from interdisciplinary teams, cross-sectoral collaborations, and real-world applications are especially encouraged.

Keywords

- transportation systems
- road safety
- driver behaviour
- Intelligent Transport Systems (ITSs)
- sustainable mobility
- data-driven modelling
- vehicle automation
- connected vehicle systems

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.7 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the first half of 2026).