

## Special Issue

# Accident Analysis for Sustainable Safer Roads and Vehicles

### Message from the Guest Editor

This Special Issue focuses on recent advances in accident analysis as a foundation for improving road and vehicle safety. Understanding the mechanisms, causes, and consequences of traffic accidents is key to reducing fatalities, injuries, and property damage. Accident analysis increasingly relies on comprehensive data sources such as EDRs, telematics, infrastructure sensors, and national databases. These support models for crash causation, severity prediction, and safety assessment. Topics include high-risk location identification, road design factors, traffic control systems, and vehicle safety systems (e.g., braking, steering, ADAS). Emphasis is placed on vehicle–environment interaction and post-crash response. Crash reconstruction using 3D scanning, photogrammetry, and simulation enhances analysis of speed, impact forces, and occupant kinematics. This issue welcomes novel methods, validated tools, and case studies using real-world data. It bridges traditional crash analysis with data-driven technologies, integrating vehicle systems, infrastructure, and empirical crash data for a holistic safety perspective.

### Guest Editor

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### Deadline for manuscript submissions

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## Sustainability

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