

Special Issue

Sustainable and Digital Transformation of Road Infrastructures

Message from the Guest Editors

The present Special Issue aims to gather a series of manuscripts related to sustainable road infrastructures and their digital transformation. We invite submissions on recycled, bio-derived, and alternative sustainable materials; low energy-consuming technologies; and the life-cycle assessment of road paving technologies and materials. The road infrastructure of the future should be prepared for the demands of climate change and sustainability challenges. New digital technologies and intelligent materials are essential to achieve that objective, as they sense and monitor the road to obtain real-time data and improve asset management.

Therefore, manuscripts focusing on digital twins, BIM, augmented reality, sensing and monitoring, AI, machine learning, big data, IoT, or the social aspects of their use in transport infrastructure are welcome. Additionally, papers concerned with the policies and implementation of sustainable and digital practices would be appreciated.

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2025)



Infrastructures

an Open Access Journal
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Impact Factor 2.9
CiteScore 6.0



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