

Special Issue

Sustainable Road Pavements

Message from the Guest Editors

Changes in climate conditions, such as hotter seasons, extreme precipitation events, increasing severe storms, and/or sea level rise, could severely affect roads in low-income countries (LICs). Failing to account for such impacts in future road design, maintenance and operating, and planning and protocols could result in accelerated road deterioration and increased risk of damage, traffic disruption, and accidents, with knock-on effects on economies. This Special Issue, therefore, welcomes research which can address the following research question: “How could new ways of designing and building roads using new standards and marginal materials deliver low-maintenance, sustainable, resilient roads economically?” Research areas may include (but are not limited to) the following:

- Innovative and sustainable construction and maintenance practices;
- Pavement materials; Pavement materials testing;
- The use of alternative and/or marginal materials;
- Pavement performance evaluation;
- Pavement performance monitoring;
- Road asset management;
- Life cycle analysis;
- Road economic analysis;
- Case study applications;
- Climate resilient design; Climate change impacts.

Guest Editors

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Deadline for manuscript submissions

closed (30 March 2024)



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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

Prof. Dr. Steve W. Lyon

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