

Special Issue

Advances in Sustainable Asphalt Materials and Pavements

Message from the Guest Editors

Recently, there have been significant advances in research on asphalt materials and pavements with a focus on sustainability and resiliency. These advances have been necessitated, in part, by the rapid growth in traffic (in terms of volume, composition, smart/autonomous vehicles, etc.), rapidly changing climate extremes, the frequency and intensity of severe weather, and lack of resources for the construction of new pavements and the maintenance and rehabilitation of existing asphalt pavements. Unprecedented developments in the collection and mining of data, as well as artificial intelligence-based models, have created new opportunities for new and improved methods for design, construction, condition assessment and performance monitoring, and data-driven decision making. In this Special Issue, we seek to publish original contributions documenting the aforementioned and other associated developments, with a focus on sustainability and resiliency. In line with our aim of documenting recent developments, each submitted manuscript is expected to be rich in literature review and original contributions, and those with implementation potential are particularly encouraged.

Guest Editors

Prof. Dr. Musharraf Zaman
Dr. Rouzbeh Ghabchi
Dr. Syed Ashik Ali

Deadline for manuscript submissions

closed (31 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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