

Special Issue

Research and Application in Sustainable Asphalt Pavements and Road Construction

Message from the Guest Editors

Dear Colleagues: Asphalt pavements are widely utilized in roads all around the world, as this type of infrastructure is a key means of communication for the development of society. However, the large quantity of natural resources associated with its construction, conservation and rehabilitation demands for the research of more sustainable materials and technologies to be applied in this field. In this sense, most institutions and companies are seeking innovative solutions to reduce the consumption of energy and natural resources. In this context, this Special Issue aims to gather papers that address the research and application of innovative materials and technologies for sustainable asphalt pavements and road construction. This Special Issue will provide a collection of noteworthy investigations and case studies related to sustainable solutions for asphalt pavements and road construction. Research areas may include (but are not limited to) the following: Asphalt mixtures at low temperatures
Reclaimed asphalt
Recycled polymer modified binders
Recycled materials for road construction
Life cycle assessment
Circular economy

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2025)



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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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