

Special Issue

Sustainable Development of Asphalt Materials and Pavement Engineering

Message from the Guest Editors

Research on sustainable road engineering materials has been important for a long time. Asphalt, cement, nanomaterials, and bio-based, recycled, and waste materials, amongst others, are used in road engineering and their performance determines the service level and durability. At the same time, the sustainability of road engineering depends on breakthroughs in research on these materials. In order to build high-quality, environmentally friendly, and long-lasting road projects, researchers require materials to be low-cost, high-performance, and have the potential to be sustainable. This Special Issue will provide noteworthy experimental and/or numerical investigations or case studies on sustainability research on road materials, such as

- Long-life and self-healing pavement materials and their life cycle assessment;
- Recyclable road engineering materials;
- Preparation and characterization of sustainable road materials;
- Molecular dynamics studies of sustainable road materials;
- Recycling of road materials.

In this Special Issue, original research articles and reviews are welcome. We look forward to receiving your contributions.

Guest Editors

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Prof. Dr. Hongliang Zhang

Prof. Dr. Xiaoping Ji

Deadline for manuscript submissions

closed (30 June 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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