

## Special Issue

# Sustainability in Materials and Design of Road Construction—2nd Edition

### Message from the Guest Editors

This Special Issue aims to bring together innovative research and practical applications that promote sustainable, durable, and climate-resilient pavement systems, integrating advances in materials, design, performance, digitalization, and policy. Research areas may include, but are not limited to, the following topics:

- Promote the bio-/green/circular economy by adding value to products using bio-based solutions or recycled materials;
- Eco-efficient pavement design considering the sustainable management and efficient use of natural resources for low-impact economic development;
- Pavement performance under climate change;
- Cost-benefit analysis and social life cycle assessment (S-LCA);
- Digital twins and AI for sustainable pavement management;
- Net-zero strategies in road construction and maintenance;
- Circular economy approaches with industrial by-products and wastes;
- Life cycle cost analysis (LCCA) of solutions;
- Multi-recycling capacity of materials;
- The application of rejuvenators to recover materials' properties and add value;
- Paving materials for bound and unbound layers.

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### Guest Editors

Dr. Vítor Antunes  
Dr. Ana Cristina Freire  
Dr. José Neves

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### Deadline for manuscript submissions

3 December 2026



## Sustainability

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*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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# About the Journal

## 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.

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

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