

## Special Issue

# Sustainable Pavement Engineering: Design, Materials, and Performance

### Message from the Guest Editors

This Special Issue will build upon foundational works while addressing emerging trends and gaps in sustainable pavement research. It will also bridge the divide between theoretical advances and real-world applications, contributing to a deeper understanding of how sustainability principles can be effectively implemented in modern pavement practices. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Development and characterisation of sustainable pavement materials (e.g., reclaimed asphalt, bio-based binders, and recycled aggregates);
- Life cycle analysis (LCA) and life cycle cost analysis (LCCA) in pavement systems;
- Climate-resilient pavement design and maintenance strategies;
- Innovations in construction techniques to reduce energy consumption and emissions;
- Smart technologies and data-driven approaches for optimising pavement performance and sustainability;
- Policy implications and frameworks for fostering sustainable practices in pavement engineering.

We look forward to receiving your contributions.

---

### Guest Editors

Prof. Dr. Wei Si

School of Highway, Chang'an University, Xi'an 710064, China

Prof. Dr. Bo Li

School of Civil Engineering, Lanzhou Jiaotong University, Lanzhou 730070, China

Prof. Dr. Pengfei Liu

Institute of Highway Engineering, RWTH Aachen University, 52074 Aachen, Germany

---

### Deadline for manuscript submissions

19 January 2026



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/231518](https://mdpi.com/si/231518)

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

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



# 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.

---

## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

---

## Author Benefits

### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)