

Special Issue

The Future of Road Pavement Materials: Towards the Improvement of Performances and Sustainability

Message from the Guest Editor

In recent years, many innovative materials and techniques have been introduced in the field of road pavements, with the aim of improving performance and reducing the impact on the environment during construction and service life. Indeed, the severe degree of climate change that is occurring on our planet is pushing pavement engineers to find solutions not only to limit the exploitation of natural resources, the generation of wastes, and the emission of pollutants but also to extend the durability of pavements and delay the necessity of maintenance interventions.

This Special Issue aims to collect up-to-date and high-quality studies that deal with the characterization and application of the aforementioned solutions, with a particular focus on the following topics:

- Advanced materials for increasing the performance and durability of asphalt binders and mixtures;
- Recycling of marginal materials and by-products from industrial processes in asphalt pavements;
- Bio-binders, bitumen extenders, and replaces;
- Structure performance, design, modeling, and service life prediction;
- Advanced trends in rehabilitation and preservation.

Guest Editor

Dr. Edoardo Bocci

Department of Theoretical and Applied Sciences, Università degli Studi eCampus, 22060 Novedrate, Italy

Deadline for manuscript submissions

closed (30 September 2025)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/232151

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)