



Sustainable Pavement Materials and Developments

Guest Editor:

Dr. Mohd Rosli Mohd Hasan

School of Civil Engineering,
Universiti Sains Malaysia, 14300
Nibong Tebal, Penang, Malaysia

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editor

The performance of a pavement is often affected by various factors which significantly reduce its lifespan and lead to the need for frequent maintenance. Many ingenious solutions and technologies have been developed over the years to improve its durability, alongside supporting sustainable development. Different aspects have been considered in the development of sustainable pavement materials involving mixture design, experimental studies, modeling, construction, continuous assessment, maintenance, and rehabilitation. Several new materials and production methods have been developed through the integration of various ideas and principles. The key purpose of this Special Issue is to collect wide range of experimental, modeling, and field findings on materials and techniques that have been or are being produced by worldwide leading experts of this research area, involving:

- Hot, warm, half-warm, and cold asphalt mixtures;
- Application of wastes and byproducts in asphaltic concrete;
- Reclaimed asphalt pavement and asphalt shingles;
- Innovative and development of new sustainable materials;
- Bio-oil, bio-asphalt, plant-based asphalt, and phase change material;





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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. *Sustainability* publishes original research articles, review 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.

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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI