



Sustainable Infrastructure Materials and Systems

Guest Editors:

Prof. Dr. William G. Buttlar

Department of Civil and
Environmental Engineering,
University of Missouri, Columbia,
MO, USA

Prof. Jo E. Sias

Professor and Director of UNH
Center for Infrastructure
Resilience to Climate, University
of New Hampshire Durham,
Department of Civil and
Environmental Engineering,
Durham, NH 03824, USA

Deadline for manuscript
submissions:

closed (31 July 2019)

Message from the Guest Editors

Dear Colleagues,

There is an increasing societal demand and need for sustainability. Pavements provide a substantial opportunity to achieve higher levels of infrastructure sustainability due to their significant footprint within the built environment and because of the enormous volume of materials required. There have been considerable recent advances in technology related to the design and construction of pavements and towards more sustainable materials for pavements. The incorporation of recycled materials has become increasingly common as has the use of technologies such as warm-mix asphalt. Approaches to evaluate the impact of pavement materials and construction activities on the environment, e.g., life cycle assessment methods, and the impact of climate change on pavements have been developed and refined in recent years as well. This special issue will include cutting-edge work that is being conducted by leading researchers on sustainability issues related to pavements, including asphalt, concrete, and unbound layers.

Keywords: sustainable ; pavement ; life cycle assessment ; LCA ; recycling ; RAP ; RAS ; WMA ; asphalt ; concrete ; climate change ; resilient ; LCCA





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

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.

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)

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](#)