



## Green Roadways and Management Sustainability

Guest Editors:

**Prof. Dr. Andrew Shing-Tao Chang**

Department of Civil Engineering,  
National Cheng Kung University,  
Tainan 70101, Taiwan

[anschang@mail.ncku.edu.tw](mailto:anschang@mail.ncku.edu.tw)

**Prof. Dr. Chaohui Wang**

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

[wchh0205@chd.edu.cn](mailto:wchh0205@chd.edu.cn)

Deadline for manuscript  
submissions:

**31 October 2021**

### Message from the Guest Editors

Dear Colleagues,

Sustainable development objectives have been applied to infrastructure in recent years, after being widely used for green buildings. The transport sector contributed 14% of total energy-related emissions in the world in 2010. As a part of transportation infrastructure, roadways utilize resources, consume energy, and generate carbon emissions. Thus, designing and constructing green roadways to reduce environmental impacts has become an important issue.

This Special Issue addresses the above issues and aims to gather recent studies that advance the knowledge about green roadways and management sustainability. Green roadways can supplement green buildings to reduce the heat island effect in urban cities. Management supplements materials and technology methods in sustainability enhancement.

Prof. Dr. Andrew Shing-Tao Chang

Prof. Dr. Chaohui Wang

*Guest Editors*





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. 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](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

**Journal Rank:** [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

## Contact Us

---

*Sustainability*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[@Sus\\_MDPI](https://twitter.com/Sus_MDPI)