

Special Issue

Civil Engineering for a Sustainable Future: Innovations and Strategies

Message from the Guest Editor

This Special Issue aims to explore the interconnected challenges of sustainability through the lens of advanced engineering technologies, focusing on how smart systems and data-driven methodologies can mitigate environmental, socio-economic, and cultural issues. The scope will cover a broad range of sustainability challenges, including air and water pollution, climate change, resource overuse, and the degradation of ecosystems. Key topics include the role of renewable energy, sustainable transportation, and energy harvesting in reducing environmental footprint. It will also address the impacts of urbanisation, industrial development, and globalisation on cultural and social sustainability.

The purpose of this Special Issue is to highlight how technological innovations, particularly in areas such as structural health monitoring, vibration control, and data analytics, can contribute to more sustainable infrastructure and systems. By integrating smart transportation, energy-efficient manufacturing, and real-time monitoring, this Special Issue will offer a comprehensive view of how engineering solutions can support sustainable development goals.

Guest Editor

Dr. Wai-Kei Ao

Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, Hong Kong

Deadline for manuscript submissions

30 September 2025



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/227236

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. *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.

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

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, CAPIus / SciFinder, and other databases.

Journal Rank:

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