Special Issue

Application of Emerging Technologies toward Eco-Efficient and Sustainable Construction Practices

Message from the Guest Editors

The construction industry has a significant impact on the environment, with high energy consumption, material waste, and greenhouse gas emissions. Emerging technologies offer promising solutions to address the current environmental challenges and improve the sustainability of construction. This Special Issue focuses on the application of emerging technologies in ecoefficient and sustainable construction practices that includes, but is not limited to, Al-based technologies and techniques, construction technology such as 3D printing and innovative construction materials that reduce waste and make construction projects potentially more efficient and sustainable. Considering this, this Special Issue opens avenues for scholars undertaking research on any aspect of construction projects during their lifecycle that result in more sustainable construction projects-including the use of Al in project scheduling, using emerging technology to mitigate transportation and material waste, using virtual/augmented/mixed reality towards a safer environment to name a few, to prudently disseminate their findings.

Guest Editors

Dr. Amir Mahdiyar

School of Housing, Building and Planning, Universiti Sains Malaysia, Penang 11800, Malaysia

Dr. Ernawati Mustafa Kamal

School of Housing, Building and Planning, Universiti Sains Malaysia, Penang 11800, Malaysia

Deadline for manuscript submissions

closed (7 October 2023)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/165240

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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)

