



Sustainable Construction Management and Computer Simulation

Guest Editors:

Prof. Dr. JeongWook Son

Department of Architectural and Urban Systems Engineering, College of Engineering, Ewha Womans University, Seoul 120-750, Republic of Korea

Prof. Dr. Byungjoo Choi

Department of Architecture, Ajou University, Gyeonggi-do 16499, Korea

Prof. Dr. Sungjoo Hwang

Department of Architectural and Urban Systems Engineering, Ewha Womans University, Seoul 03760, Republic of Korea

Deadline for manuscript submissions:

closed (31 July 2023)

Message from the Guest Editors

The purpose of the Special Issue is to publish state-of-the-art computational research trends and results in the context of sustainable construction management. The Special Issue focuses on, but is not limited to, computer simulations such as discrete-event simulations, system dynamics, agent-based simulations, and hybrid simulations used in computational research methods. Research focused on emerging technologies such as data mining, artificial intelligence, image processing, and big data to enhance performance in combination with simulations is also welcome.

Topics

- Sustainable construction management
- Life-cycle assessment
- Lean construction
- Off-site construction
- Prefabrication
- Sustainable supply chain management
- Sustainable construction method
- Sustainable construction site management

Computational research methods

- Computer simulation
- Discrete-event simulation
- System dynamics
- Agent-based simulation
- Hybrid simulation
- Data mining
- Artificial intelligence





sustain

IMPACT
FACTOR
3.3

CITESCORE
6.8

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](#)