Special Issue

Structural Health Monitoring and Sustainable Built Structures

Message from the Guest Editors

Emission from construction industry is significant at all stages—construction, operation, and demolition. For effective management of the lifecycle of built facilities, reliable yet economical health monitoring is imperative. This Special Issue will report recent advances in structural health monitoring for sustainable built structures. It will unite disparate research outcomes in non-destructive testing, sensing technologies, signal processing, and lifecycle management towards the goal of sustainable built structures. The Special Issue invites contributions, including, but not limited to, the following detailed topics:

- Structural health monitoring;
- Vibration-based structural deterioration models;
- Wave propagation for condition monitoring;
- Electrochemical techniques for condition monitoring;
- Sensing technologies and signal analysis for built structures;
- Data-driven IoT based condition monitoring;
- Field application and case studies;
- Numerical models and model updating techniques;
- Self-healing and self-sensing structural system;
- Life cycle assessment of built structures;
- SHM-based sustainability assessment.

Guest Editors

Prof. Dr. Abhijit Mukherjee

School of Civil and Mechanical Engineering, Curtin University, Bentley, WA 6102, Australia

Dr. Subhra Majhi

School of Civil and Mechanical Engineering, Curtin University, Bentley, WA 6102, Australia

Deadline for manuscript submissions

closed (30 March 2023)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/99563

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

mdpi.com/journal/sustainability

MDPI

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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