

Special Issue

Sustainable Design of Foundations and Substructures

Message from the Guest Editors

Dear Colleagues: The aim of this Special Issue is to collate recent research information and technological breakthroughs on the design and construction of sustainable foundations. The primary focus is the re-use and recycling of old foundations, as well as use of substructures to harness ground heat and storm water, thereby reducing dependence on mains electricity, gas, and water. The Special Issue will cover key areas in the sustainability of substructures:

factors driving sustainable use of foundations
site investigation and various geotechnical risks specific to sustainable substructures
ethical, financial, and legal issues associated with the re-use of foundations and heat extracting foundations
decision models for evaluating the recyclability and reusability of existing foundations
technical guidelines for designing foundations for future decommissioning and reuse
performance indicators for foundation sustainability
low carbon technologies in foundation construction
effective use of substructures for storage and purification of precipitation water harvesting systems
mitigating the impact of deconstruction and recycling of old foundations and other substructures

Guest Editors

Dr. Joshua Omer

Department of Civil Engineering and Surveying, Kingston University,
London KT1 2EE, UK

Prof. J. Jayamohan

Department of Civil Engineering, LBS Institute of Technology for
Women, Thiruvananthapuram 695012, Kerala, India

Deadline for manuscript submissions

closed (31 December 2021)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/72127

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. 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)