

Special Issue

Sustainable Buildings: Advances for Material Efficiency and Circular Economy in the Built Environment

Message from the Guest Editors

Material consumption is greatly driven by the demand for construction materials, contributing to the climate emergency. Urgent measures are thus needed to reduce material consumption and/or associated carbon emissions. This special issue aims to bring together authoritative commentary, step-change research, and evidence based recommendations to improve material efficiency and promote the circular economy in the construction sector in an environmentally beneficial manner. We hope that this Special Issue can provide a consolidated set of rigorous research into low carbon construction, material and components substitutions, end-of-life circularity and designing with reuse. The scope of this issue covers all aspects related to material sourcing, production, construction, renovation and maintenance, demolition and/or adaptive reuse, end-of-life reuse, and demolition waste recycling. Submissions may include material, component, building and/or territorial assessments, and recommendations from any aspects of sustainability, circularity, industrial ecology, symbiosis and/or metabolism. Novel contributions from materials science, and technology policy within this scope are also welcome.

Guest Editors

Dr. Mohit Arora

Prof. Dr. Rupert Myers

Prof. Dr. Felix Raspall

Dr. Arlindo Silva

Deadline for manuscript submissions

closed (30 January 2022)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8



mdpi.com/si/71285

Sustainability
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 6.8



[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, AGRIS, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

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