



Innovative Materials and Structural Optimization for Resilient Infrastructure

Guest Editor:

Dr. Muntasir Billah

Department of Civil Engineering,
Lakehead University, Thunder
Bay, ON P7B 7E1, Canada

Deadline for manuscript
submissions:

closed (25 July 2022)

Message from the Guest Editor

Dear Colleagues,

Major natural hazard events around the world, along with the aging and deterioration of infrastructures, keep increasing the need for the development of innovative materials and the optimization of structures for improved infrastructure resiliency. Innovative materials, alongside structural optimization, is an area that has seen major developments due to the availability of robust numerical simulation frameworks, large experimental facilities, development of advanced materials and construction techniques, optimization frameworks and tools. Also, there are many challenges that have yet to be addressed.

This Special Issue invites papers presenting numerical and/or experimental research on innovative materials and structural optimization for resilient buildings and bridges. The purpose of this Special Issue is to promote a wider use of advanced materials and optimization technologies in the design industry and to improve the resilience of our infrastructures. The main goal of this issue is to generate a forum for the current state of knowledge, as well as future research directions, in the overall area of innovative materials and structural optimization.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)