

Special Issue

Advanced Cementitious Materials for Sustainable Infrastructure

Message from the Guest Editor

Global warming is a significant problem affecting the whole planet. In addition to other factors, the cement and concrete sector is responsible for a significant amount of the emissions that contribute to climate change. When it comes to the development of cleaner technologies for the production of concrete, the primary goals include achieving a significant reduction in CO₂ emissions, achieving a significant reduction in energy consumption and fossil fuel in the cement-manufacturing process, achieving a significant reduction in the use of substances that are hazardous to health and/or the environment, and achieving significant savings associated with the use of cement by partially replacing it with fly ash waste and/or other kinds of waste. This Special Issue covers a variety of topics that are connected to the manufacturing of environmentally friendly cement and concrete materials as well as their use in building endeavors. Screening is done on various sources of sustainable green cement-based materials, as well as their applications in various construction sectors (buildings, roads, railways, airports, ports, tunnels, and bridges).

Guest Editor

Prof. Dr. Natt Makul

Department of Building Technology, Faculty of Industrial Technology,
Phranakhon Rajabhat University, Bangkok 10220, Thailand

Deadline for manuscript submissions

closed (15 August 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/138929

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. *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, CAPIus / SciFinder, and other databases.

Journal Rank:

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