



Application of Green Composite Concrete Materials in Sustainable Construction Industry

Guest Editors:

Dr. Wonseok Chung

Department of Civil Engineering,
Kyung Hee University, 1732
Deokyoung-Daero, Giheung-Gu,
Yongin-Si 17104, Gyeonggi-Do,
Republic of Korea

Dr. Heeyoung Lee

Department of Civil Engineering,
Chosun University, 10 Chosundae
1-gil, Dong-Gu, Gwangju 61452,
Republic of Korea

Deadline for manuscript
submissions:

closed (15 November 2024)

Message from the Guest Editors

The goal of this Special Issue is to disseminate original research and review studies that address the (experimental or theoretical) advances, trends, challenges, and future perspectives regarding the development, mixture, characterization, and use of green composite concrete materials. The followings are some of the topics proposed for this Special Issue:

- The dispersion, mixture, and hydration of green composite concrete materials;
- The enhancement of mechanical properties of green composite concrete materials;
- Multi-functional application (sensing, heating, and curing,);
- The effect of green composite concrete materials on durability and long-term performance;
- CO₂ valorization, sequestration, and utilization by green composite concrete materials;
- Developing new efficient and sustainable construction materials using carbon-neutral technology;
- Innovative applications for the construction industry.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

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.

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)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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