



Sustainable Mineral-Based Materials in Construction

Guest Editors:

Dr. Yury Villagrán Zaccardi

Flemish Institute for
Technological Research (VITO),
Boeretang 200, BE-2400 Mol,
Belgium

Dr. Natalia Mariel Alderete

Department of Structural
Engineering, Ghent University,
9000 Ghent, Belgium

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editors

The construction sector has various environmental challenges, notably in terms of carbon emissions and the use of nonrenewable resources, with urgent calls to action to enhance wealth while safeguarding the environment.

Minerals are essential building materials. The present amount of mineral-based materials used in new and existing infrastructure makes their replacement with alternative resources unfeasible. Innovative resource optimization solutions are needed to achieve sustainability. Such strategic research not only supports a lower environmental impact but also boosts the industry's competitiveness.

The topic of this Special Issue is sustainable mineral-based materials for construction, which includes both low-carbon and circular approaches in the development and manufacturing of aggregates, binders, concrete, and other mineral building products.





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](#)