



Sustainable Cementitious Materials for the Construction Industry

Guest Editors:

Prof. Dr. Miguel-Ángel Climent

Department of Civil Engineering,
University of Alicante, Alicante,
Spain

Prof. Dr. Isidro Sánchez

University of Alicante,
Department of Civil Engineering,
P.O. Box 99, E-03080 Alicante,
Spain

Prof. Dr. José Marcos Ortega

Departamento de Ingeniería Civil,
Universidad de Alicante, Ap.
Correos 99, 03080 Alicante, Spain

Deadline for manuscript
submissions:

closed (10 November 2018)

Message from the Guest Editors

Dear Colleagues,

The construction industry plays a central role in efforts towards achieving a sustainable development, because of its size and ubiquity. Concrete is the most-used construction material, both for residential buildings and infrastructure. Portland cement production is an industrial sector, which, despite being a high contributor to CO₂ emissions, has made significant efforts towards sustainability by increasing energy efficiency, using alternative or renewable fuels, and by replacing considerable proportions of clinker with supplementary cementitious materials. These latter are termed "additions to cement" and include fly ash, blast furnace slag, silica fume, natural volcanic pozzolanic materials, rice husk ash, limestone powder, calcined clays, etc. Many of these additions are wastes or by-products of other industries, thus leading to a double benefit in terms of sustainability, since they reduce the emission of greenhouse gases and reduce waste treating and disposal needs.





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](#)