



Innovative Structural Applications of High Performance Concrete Materials in Sustainable Construction

Guest Editors:

Dr. Fausto Minelli

Department of Civil,
Environmental, Architectural
Engineering and Mathematics,
University of Brescia, 25123
Brescia, Italy

Prof. Dr. Enzo Martinelli

Department of Civil Engineering,
University of Salerno, 84084
Fisciano, Italy

Prof. Dr. Luca Facconi

DICATAM—Department of Civil,
Environmental, Architectural
Engineering and Mathematics,
University of Brescia, 25123
Brescia, Italy

Deadline for manuscript
submissions:

closed (30 June 2021)



Message from the Guest Editors

Dear Colleagues,

The present Special Issue is comprised of the application of sustainable materials, technologies, and strategies to new and existing structures. The need for developing innovative, sustainable and cost-effective solutions are significant.

Contributions on the following topics to this SI are welcome:

- Innovative high-performance materials for new and existing structures
- Innovative sustainable techniques for new and existing structures
- Structural applications of high- and ultra-high-performance fibre reinforced concrete (HPFRC and UHPFRC)
- Structural applications of alkali-activated materials (AAM)
- Analytical studies for the optimization of effectiveness, costs, and impact of innovative materials in new and existing structures
- Analytical models of innovative materials at structural level
- Code provisions and adaptation of current available models to new materials
- Evaluation of combined solutions of innovative and sustainable materials/techniques for structural and energy retrofit
- Case studies



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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)