Special Issue

Emerging Construction Materials and Sustainable Infrastructure

Message from the Guest Editors

Currently, concrete is the most common construction material used in infrastructure. However, it is estimated that concrete products represent at least five percent of humanity's carbon footprint from CO2 emissions. Additionally, concrete infrastructure, such as bridges, marine structures for coastal defense, and off-shore renewable, suffer from premature aging, rapid deterioration, structural deficiency, and the safe management of risk. The objective of this Special Issue is to focus on emerging, lower energy and durable construction materials for use in civil infrastructure, such as "green" concrete products, maximizing the inclusion of waste products combined with corrosion-resistant reinforcing materials. This Special Issue will also deal with the interplay between material microstructure, physical properties processing and performance of emerging construction materials.

Guest Editors

Dr. Yu Zheng
School of Environment and Civil Engineering, Dongguang University of Technology, Dongguan 523808, China

Dr. Bo Wu
School of Civil Engineering and Transportation, South China University of Technology, Guangzhou, China

Deadline for manuscript submissions

closed (28 February 2019)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/14413

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

MDPI