Special Issue

Current Developments in Recycled Concrete

Message from the Guest Editors

After the demolition of old roads and buildings, the removed concrete is often considered worthless and disposed of as demolition waste. Due to the environmental and resource concerns, the effective employment of recycled aggregates in concrete preparation has been a focus in the academic and industrial circles, as natural aggregates cannot be reproduced in the short term. Therefore, in using the waste concrete as recycled aggregate, in addition to addressing the resource issue, the land will also be spared the disposal of waste concrete. Therefore, we propose a Special Issue of Applied Science, addressing topics including but not limited to those shown below:

- Microstructural properties of recycled concrete.
- Long-term durability of recycled concrete.
- New enhancement approaches for the improved performance of recycled concrete.
- Performance of recycled concrete in a marine environment.
- Recycled concrete used in different applications (e.g., highways, housing).
- Field investigation of recycled concrete.
- Recycled concrete-steel structures.
- Life cycle assessment of recycled concrete.

Guest Editors

Prof. Dr. Xiaoqian Qian

College of Civil Engineering and Architecture, Zhejiang University, Hangzhou, China

Dr. Shaoqin Ruan

College of Civil Engineering and Architecture, Zhejiang University, Hangzhou 310058, China

Deadline for manuscript submissions

closed (15 April 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/96148

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

MDPI

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)