



## Green Concrete for a Better Sustainable Environment

Guest Editor:

**Prof. Dr. Patrick Tang**

School of Architecture and Built  
Environment, University of  
Newcastle, Callaghan, NSW 2308,  
Australia

Deadline for manuscript  
submissions:

**closed (31 March 2020)**

### Message from the Guest Editor

Green concrete is defined as concrete that uses waste material as at least one of its components, or its production process does not lead to environmental destruction, or it has high performance and life cycle sustainability. At present, natural resources are running out. Using industrial and construction waste as raw materials for the production of cement and concrete can be regarded as a valuable resource for civil infrastructure construction. Green concrete will not only contribute to a circular economy but can also help to reduce the amount of embodied energy and CO<sub>2</sub> emissions associated with cement manufacturing as well as to mitigate the environmental threats associated with industrial waste materials.

The followings is a comprehensive (but not exhaustive) list of topics proposed for this Special Issue:

- Environmentally friendly concrete
- Sustainable concrete
- Recycled concrete
- Industrial wastes utilization
- Construction and demolition waste utilization
- Reusable or recyclable construction materials
- Design for long life and adaptability





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

*Applied Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
X@Applsci