

## Special Issue

# Damage and Fracture Analysis of Concrete Structures

### Message from the Guest Editor

A fundamental understanding of damage or fracture behavior is very important to produce a safe and effective design of concrete structures. Therefore, this Special issue of *Applied Sciences*, “Damage and Fracture Analysis of Concrete Structures”, intends to welcome all kinds of contributions addressing the damage and fracture behavior of concrete structures, as well as newly emerging structures. Contributions to the areas of material science related to damage and fracture mechanics are also the subject of this Special Issue. Papers on new testing and characterization techniques, new analysis procedures, numerical models, and methods for damage and fracture of engineering materials and structures, as well as the engineering applications of damage and fracture mechanics are also welcome.

---

### Guest Editor

Prof. Dr. Hailong Wang

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

---

### Deadline for manuscript submissions

closed (31 July 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/121745](https://mdpi.com/si/121745)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

[mdpi.com/journal/  
appls](https://mdpi.com/journal/appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://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 )