

## Special Issue

# Assessment of High-Performance Fiber-Reinforced Concrete Properties

### Message from the Guest Editor

Fiber-reinforced concrete mainly uses fiber to improve the properties of reinforced concrete, such as tensile strength, deformability, and dynamic load resistance. This Special Issue of *Applied Sciences* covers recent advances in:

- Innovative concepts to improve the mechanical properties of HPFRC;
- Developments of new fiber technology to improve the performance of HPFRC;
- Engineering applications of HPFRC;
- Reduction of the negative impact of fiber on certain properties of concrete;
- Mix design of HPFRC;
- Bond behavior of HPFRC;
- Thermal properties and fire behavior of HPFRC;
- Durability of HPFRC.

For this Special Issue, authoritative review articles and original research papers on HPFRC regarding the latest findings related to material properties and structural implications of civil and architectural applications are welcome. For further reading, please visit the [Special Issue website](#).

---

### Guest Editor

Prof. Dr. Chao-Wei Tang

1. Department of Civil Engineering and Geomatics, Cheng Shiu University, No. 840, Chengching Rd., Niasong District, Kaohsiung 83347, Taiwan
2. Center for Environmental Toxin and Emerging-Contaminant Research, Cheng Shiu University, No. 840, Chengching Rd., Niasong District, Kaohsiung 83347, Taiwan
3. Super Micro Mass Research and Technology Center, Cheng Shiu University, No. 840, Chengching Rd., Niasong District, Kaohsiung 83347, Taiwan

---

### Deadline for manuscript submissions

closed (31 December 2020)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/33344](https://mdpi.com/si/33344)

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

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

[appls-ci](https://appls-ci)





# 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 )