Special Issue

High Performance Fiber-Reinforced Cementitious Composites

Message from the Guest Editors

High-performance fiber-reinforced cementtitious composites (HPFRCC) are a new category of fiber-reinforced concrete and have attracted a great deal of attention in both research and applications in recent years. HPFRCC is featured with multiple cracking, strain hardening, and higher strain capacity at peak stress. Due to its excellent mechanical and miscrostrcutural properteis, HPFRCC has great potential for use both in new construction of concrete structures for improved durabilty and sustainaiblity and in upgrading existing concrete structures for the purpose of service life extension. A lot of studies have demonstrated the signfiicant advantages offered by the HPFRCC in various types of engineering applications, such as building, bridges, pavement, tunnels, dams, ports, and other civil infrastrucutres. However, there are still a number of technical and implementation issues that need to be addressed before making HPFRCC a mainstream construction material. This Special Issue aims to disseminate the most recent avances and development in this rapidly growing research field.

Guest Editors

Prof. Dr. Jian-Guo Dai
Prof. En-Hua Yang
Dr. Bo-Tao Huang

Deadline for manuscript submissions

closed (28 February 2022)

Journal of Composites Science

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.8

mdpi.com/si/61663

Journal of Composites Science
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcs@mdpi.com

mdpi.com/journal/jcs

Journal of Composites Science

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.8

mdpi.com/journal/jcs

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Dr. Francesco Tornabene
Department of Innovation Engineering, University of Salento, 73100 Lecce, Italy

Author Benefits

Open Access:

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

High Visibility:

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

Journal Rank:

JCR - Q2 (Materials Science, Composites) / CiteScore - Q1 (Engineering (miscellaneous))

MDPI