

Special Issue

Advances in Ultra-High Performance Concretes and Cementitious Composites (2nd Edition)

Message from the Guest Editors

Ultra-high-performance concretes (UHPC) and cementitious composites have emerged as revolutionary materials in the field of construction and engineering.

This Special Issue aims to bring together the latest research and developments in the field of ultra-high-performance concretes and cementitious composites. We welcome original research articles, review papers, and case studies that address the following topics:

1. Development and characterization of ultra-high-performance concretes;
2. Innovative cementitious composites for enhanced performance;
3. Durability and long-term performance of UHPC and cementitious composites;
4. Multifunctional and self-adaptive cementitious composites;
5. Sustainable manufacturing and use of these materials;
6. Applications of UHPC and cementitious composites in infrastructure projects;
7. Numerical modeling and simulation of UHPC and cementitious composites;
8. Experimental investigations and testing methods for these materials;
9. New technologies and techniques for the production and processing of UHPC and cementitious composites.

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About the Journal

Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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