

## Special Issue

# Fiber Reinforced Polymer-Ultra High Performance Concrete (FRP-UHPC): Design, Performance, and Application

### Message from the Guest Editors

Researchers and practitioners increasingly prioritize UHPC due to its unparalleled capacity to enhance structural performance, extend infrastructure service life, and reduce lifecycle costs. The integration of fiber-reinforced polymer (FRP) with UHPC has emerged as a prominent research focus owing to synergistic performance enhancements. Potential topics include, but are not limited to, the following:

- FRP minibar-reinforced UHPC;
- Marine applications of FRP-UHPC;
- Structural design of FRP bar-reinforced UHPC members;
- FRP-UHPC system performance under extreme environments;
- Data-driven design methodologies for FRP-UHPC system;
- Applications of FRP-UHPC system in repair/strengthening;
- Case studies.

Original research papers and review articles are welcome. Submission to this Special Issue is open to all interested parties. We look forward to receiving your contributions.

### Guest Editors

Dr. Zhiyuan Chen

Dr. Kaidi Jiang

Dr. Guo Yang

Dr. Chang Su

Dr. Shui Liu

### Deadline for manuscript submissions

20 March 2026



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