



Testing of Cement-Based Materials

Guest Editor:

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Message from the Guest Editor

Concrete is the most consumed engineering material and has been used for more than 100 years. The application of the standard test methods is important for its quality control and performance evaluation. Advances in cement-based materials (e.g., high-performance concrete; high-strength concrete; self-consolidating concrete; fiber-reinforced cementitious composites; pervious concrete; low carbon concrete; and others) have brought the development of novel test methods to evaluate their enhanced performances and material characterization. The test results and analysis for the new cement-based materials are also of interest in accompany with the test methods.

On the other hand, the technological advancement of the material characterization allows us to deeply understand the microstructure and behavior of cement-based materials. The characterization technology includes, but is not limited to, nanotechnology, rheological evaluation, nondestructive testing, and the multiphysics approach. The field is rapidly advancing into new areas of discovery.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcomed.





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Message from the Editor-in-Chief

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