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## Emerging Approaches for Performance Assessment and Prediction of Cement-Based Materials

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Deadline for manuscript  
submissions:

**closed (20 January 2024)**

### Message from the Guest Editors

This Special Issue brings together a collection of research papers that delve into emerging approaches for assessing performance of cement-based composites.

The Issue covers a broad spectrum of topics, including:

1. Novel imaging techniques: These contributions explore state-of-the-art imaging methods to provide detailed insights into the microstructure of cement-based composites at different length scales.
2. Smart sensing systems: These contributions emphasize the development and application of smart sensors, wireless sensor networks, and data analysis techniques for real-time monitoring of structural behavior of cement-based composites.
3. Multi-scale modeling: These contributions present computational modeling approaches to simulate and predict the behavior of cement-based composites.
4. Data-driven approaches: These contributions showcase the use of data-driven methodologies, machine learning techniques, and big data analysis to enhance the characterization and assessment of cement-based materials.



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# Special Issue



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## Message from the Editor-in-Chief

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