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

Guest Editors:

Dr. Nima Farzadnia
Department of Civil, Geological, and Environmental Engineering, College of Engineering and Mines, University of Alaska Fairbanks, Fairbanks, AK, USA

Dr. Amin Malek
Department of Computer and Electrical Engineering, California State University, Bakersfield, CA, USA

Deadline for manuscript submissions:
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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 showcases 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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Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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𝕏@Materials_Mdpi