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Durability Studies on the Concrete and Related Composites (Second Edition)

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Message from the Guest Editor

Dear Colleagues,

In recent years, the cement and concrete industry has increasingly paid attention to the search for new material solutions that will contribute to greater durability of this material. It is important to take a complete look at the production of cement-based materials, taking into account the correlation between chemical composition, microstructure and external environmental factors, that will ensure high material durability and performance and will result in a lower environmental impact, thus contributing to more sustainable construction.

Therefore, topics of interest include but are not limited to the following:

- Materials design and characterization for enhanced durability;
- Concrete and cementitious composites including advanced nanomaterials;
- Durability of concrete and cement-based materials (e.g., chloride attack, carbonation, sulfate attack, acid attack, alkali-silica reaction, freeze/thaw, abrasion, etc.);
- Possibility of reusing old and recovery building materials or by-products in concrete in the aspect of durability and sustainable development;
- Durability and sustainability assessment.





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Message from the Editor-in-Chief

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