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## Advances in Durability of Construction Materials

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### Message from the Guest Editors

Dear Colleagues,

Durability, defined as "the capability of a structure to maintain minimum performance under the influence of loads", is a critical aspect in the realm of materials science. Service life design plays a pivotal role in ensuring that this performance is sustained over the intended period, commonly referred to as the service life. The objective of this Special Issue is to compile recent advancements and developments in the domain of construction materials. Themes of interest include, but are not limited to, the following:

- Sulfate attack and alkali-aggregate reaction;
- Freeze–thaw durability;
- Durability of high-performance concrete;
- Alternative binders and supplementary cementitious materials;
- Life-cycle assessment and sustainable practices.
- Corrosion in marine construction materials;
- Prediction of durability based on artificial intelligence;
- Shrinkage and expansion of construction materials;
- Environment-dependent creep behavior of concrete structures;
- Monitoring of durability (ions attack, carbonization, freeze–thaw) of construction materials;
- Microcapsule-based self-healing of concrete structures with environmental impacts.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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