



## Recent Research on Surface Engineering of Cement and Concrete Materials

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### Message from the Guest Editors

As technology advances, surface-related considerations of cement-based materials are deeply rooted in its adhesion properties. There are significant developments made by recent research on surface engineering of cement and concrete in modifying and enhancing the materials' surface attributes for protection against stringent environments. These provide us with fundamental and application-based information from the perspective of characterization of the substrate, the cement properties, concrete surface parameters, and its interface, alongside with the development of various scientific equipment. Hence, this special issue offers a source of cutting-edge epistemology on the following topics:

- Characterization and testing of physical, mechanical, adhesive properties between concrete and surface treatments or other functional properties;
- Methods and techniques for texture assessment of concrete surface treatments;
- New understanding into interfaces, cohesion and phase behaviours between existing concrete and surface restorations;
- Fabrication of micro- and nanostructures surfaces and surface functionalization for concrete.

We look forward to receiving your contributions.





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## Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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