

Special Issue

Textile Reinforced Cement Composites: New Insights in Structural and Material Engineering

Message from the Guest Editors

This Special Issue welcomes new contributions in the field of textile-reinforced cement composites. These materials include cementitious matrix materials reinforced by fibre textiles (textile-reinforced concrete, textile-reinforced mortar, etc.) in such a way that they show strain hardening behavior under tensile loading. We include investigations on material, component and structural level. Topics of interest include, but are not limited to:

- Material composition, characterisation and design
- Mechanical testing on the macro-scale (e.g. static, fatigue, impact, fire) and the micro/meso-scale (e.g. bonds)
- Analytical and numerical methods for modelling, simulation and prediction
- Design guidelines
- Innovative applications and case studies (incl. strengthening, retrofitting and repair, new structures, hybrid structures, ...)
- Durability, LCA, LCC studies
- Manufacturing processes, quality control and evaluation

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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