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Supplementary Cementitious Materials in Concrete

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Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editors

Dear Colleagues,

The substitution strategy, consisting of the partial replacement of Portland cement with supplementary cementitious materials (SCMs) or the more common application of blended cements, is an effective way to improve the sustainability of the cement and concrete industries.

The forthcoming Special Issue of Materials aims to recognize the current state of knowledge and development in the use of SCMs within the substitution and performance strategies. It is our pleasure to invite you to submit your research article, communication, or review in which the following aspects of SCMs are investigated:

- Measuring the chemical, physical and mineralogical properties of SCMs, before and after hydration;
- Defining the amounts and the types of SCMs in accordance with the desired effects on fresh and hardened concrete performances;
- Designing structural elements made with normal and high-performance concretes containing SCMs;
- Assessing the durability and environmental impact of cement-based materials and structures, when SCMs are used to substitute, or in conjunction with, hydraulic cements.



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Guest Editors

Special Issue



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Message from the Editor-in-Chief

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