



*materials*



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## Innovative Materials for Construction

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### Message from the Guest Editors

Dear Colleagues,

Most of the typical materials employed in today's construction industry present limitations, especially with regard to their durability—in either common or severe environmental conditions—and their impact on the environment. In response to these issues, academic and industrial efforts around the world have been devoted to developing new smart materials that can provide efficient alternatives, improve energy efficiency in buildings, or upgrade, repair, and protect existing infrastructures. A new generation of materials (bricks, cement, coatings, concrete, FRP, glass, masonry, mortars, nanomaterials, PCM, polymers, steel, wood, etc.) is, in fact, gaining a prominent position in modern building technology, because such materials are able to overcome various limitations and flaws of the conventional materials employed in construction, without neglecting the smart applications of pioneering materials in ancient constructions and historic buildings.

This Special Issue aims to provide a platform for discussing open issues, challenges, and achievements related to innovative materials proposed for use in the construction industry.



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# Special Issue



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## Message from the Editor-in-Chief

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