



Ceramics and Construction Materials

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Ceramics, along with cement, concrete, and steel are the most important and widely used construction materials. Functional properties and durability of these materials are concerns of great importance for their use in modern buildings and structures. The development of smart materials, such as hydroceramics or self-healing concrete, and of new production technologies, such as molding of bricks and/or concrete by 3D-printing, is laying the groundwork for a major transformation of the construction industry. However, considering the high energy costs involved with the production of ceramics and cement, great attention is being focused on so-called green or eco-friendly processes, e.g., those employing wastes or residues for producing new materials.

This Special Issue invites original research contributions and reviews dealing with the recent advances in development, production, and characterization of ceramics and cement-based materials, including those obtained by eco-friendly processes, for use as construction materials with improved durability.





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Message from the Editor-in-Chief

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