



## Sustainable Materials for Construction

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**closed (30 November 2021)**

### Message from the Guest Editors

Dear Colleagues,

Construction industry still represents one of the sectors with the highest environmental impacts, due to energetic and raw materials consumption, production of wastes (CDWs: construction and demolition wastes) and greenhouse gas emissions mainly related to cement manufacturing. So, considering the increasing awareness of global warming, there is a compelling need to replace cement in concrete with more eco-friendly alternative materials in order to strongly reduce its environmental impact. Additive manufacturing process is attracting growing attention for its promising advantage of addressing sustainable manufacturing issues, minimizing negative environmental impact through efficient resource utilization, especially when there is high complexity and customization of products. Finally, also the production of inexpensive, fire-resistant, energy-saving and environmentally friendly sound absorbing and insulating inorganic material represents a further challenge to improve the energy-efficiency and sustainability of building sector.





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## Message from the Editor-in-Chief

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