



Innovative Materials in Sustainable Construction

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Message from the Guest Editors

The scope of this topic ranges from the development of innovative materials and materials testing to the structural design and lifecycle assessment of sustainable structures. Discussion of innovative structures which these new materials permit is also welcomed. The purpose of this issue is to highlight the use of innovative materials in sustainable construction at all stages of development from the development of new materials and ascertaining their properties to the use of structural design and the assessment of the overall sustainability in construction. It is important to highlight that the overall sustainability of a structure can only be assessed on the basis of the whole structure as the per unit sustainability of a material interacts with the mechanical performance.

This will supplement the existing literature by highlighting the various ways that innovative construction materials may further sustainable construction. This may include a discussion of the development of innovative construction materials, assessment of their mechanical properties, use in structural design and assessments of the overall sustainability of these structures.





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