



Advanced Materials for Energy Performance Improvement in Buildings

Guest Editor:

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Message from the Guest Editor

Buildings use about 40% of global energy and they emit into the atmosphere approximately 35% of GHG. Buildings also offer the greatest potential for achieving ever higher levels of energy efficiency and significant GHG emission reductions in developed and developing countries. There is an increasing need of encouraging energy efficiency in buildings, enhancing green technologies, and promoting advance thermal energy storage solutions. To improve energy efficiency and environmental performance in both new and existing building studies and to develop research on advanced materials and new technologies to be applied to the building envelope are required. The construction sector needs innovative materials and systems based on heat storage, thermal insulation, and the use of renewable energy customized for the current and future reality of the construction market.





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Message from the Editor-in-Chief

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