Special Issue

New Trends in Sustainable Building Design and Energy Efficient Communities

Message from the Guest Editor

The use of energy in buildings and infrastructure has increased many-fold, suggesting that alternate means must be devised to conserve energy and operate the buildings with sustainable means. Energy efficient buildings can be achieved through the use of insulation materials, improved architectural techniques, and new proposed construction methodologies. The energy demand of buildings must be reduced when aiming at future sustainable buildings where optimal living comfort, performance, and services are ensured. Digitalization is one of the new means of supporting energy efficiency policies for built environments and includes the development of BIM, IOT, digital twin, and machine learning algorithms. Within this framework, the aim of the Special Issue is to present a collection of the latest research dealing with new trends in **sustainable building design** through the exploration of **ground-breaking technologies and strategies** toward achieving **energy efficient communities**.

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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