

Special Issue

Green and Sustainable Buildings: Enhancing Energy Efficiency and Performance of Buildings

Message from the Guest Editors

Global climate change profoundly affects the survival and development of human beings, and the construction industry is one of the main sources of greenhouse gas emissions. Residential buildings are the most numerous type of building in the construction market, and countries around the world are committed to the development of green buildings for residential uses to reduce energy consumption and greenhouse gas emissions. In many countries, the majority of existing homes are energy inefficient; therefore, the development of green, efficient and habitable residential building has become an inevitable trend in the sustainable development of buildings around the world. This Special Issue is part of the new frontier of energy analysis and valuation, and is focused on the development of new tools to enhance energy efficiency in buildings for sustainability. One particular contribution of this Special Issue to the existing literature comes in the form of supplementing rare real-world case studies of building “greening” (i.e., energy efficiency enhancement) by adopting nature-based approaches, products, and materials.

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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