Special Issue

Innovative Bio-Based Construction Strategies for Near-Zero Energy Buildings with Low Carbon Footprints

Message from the Guest Editors

Under the goal of carbon neutrality and the low-carbon development of the building industry internationally, bio-based building materials have become a low-cost path to achieving near-zero energy and net-zero energy of the whole life cycle of buildings with low carbon emissions. This Special Issue focuses on bio-based building materials and the agricultural waste-derived materials to explore their synergistic mechanisms with passive design and renewable energy systems, aiming to build a sustainable architectural pattern. The outcomes of this issue will provide low-cost technical paths for green buildings in developing countries especially and promote the building of an industrial chain for the resource utilisation of bio-based materials and agricultural waste.

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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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