

Special Issue

Performance Evaluation of Composite Building Materials

Message from the Guest Editors

Composite building materials have received widespread attention. Extensive research in composites has led to the development of novel composite building materials with a combination of various functions and outstanding physical and mechanical properties. The demand for novel composite building materials incorporates high strength, high toughness, high durability, excellent thermal performance, and low carbon emission that could enhance functionalities, improve economic efficiency and resource utilization, and protect the environment. This Special Issue of *Buildings* on “Performance Evaluation of Composite Building Materials” aims to explore the high performance of composite building materials as well as to propose efficient performance evaluation methods for various composite building materials, in order to assist the development and application of advanced composite building materials.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

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