Special Issue

Studies on the Durability of Building Composite Materials

Message from the Guest Editors

The durability of building composite materials plays a significant role in ensuring the longevity, safety, and sustainability of modern construction. This Special Issue aims to explore the latest research, advancements, and innovative approaches in improving the durability of composite materials used in buildings. Key topics include material characterization, degradation mechanisms, environmental impacts, repair and rehabilitation techniques, testing methodologies, novel material formulations, and predictive modeling. Contributions focusing on experimental studies, numerical modeling, case studies, and sustainable solutions for improving composite material performance are highly encouraged. By bringing together experts in building materials, repair, and renovation, this Special Issue seeks to address the current challenges and drive future developments in durable and resilient construction materials.

Guest Editors

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Deadline for manuscript submissions

31 August 2025

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/233584

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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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