



## Actual Trends in Rehabilitation and Reconstruction of Buildings

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### Message from the Guest Editors

This Special Issue aims to highlight new building materials and technologies in civil engineering and their design, preparation, and properties for use in the field of building rehabilitation and reconstruction. These new materials, which are often based on secondary raw materials, are designed to decrease energy consumption, improve the environment, and preserve cultural heritage.

This Special Issue's scope of interest is wide and may include timber and its production, surface technology, natural and artificial stone, waterproofing, concrete applications, building physics, structural behaviors, damage diagnostics, half-timber and timber constructions, steel and glass, preventive conservation, fire protection, and other areas regarding building restoration. We invite you to submit your articles to contribute to this field of interest.

Deadline for manuscript  
submissions:

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## 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.

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