

Construction Project & Risk Management, Waste Material Utilization, and Historical Conservation in the Building Industry

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Message from the Guest Editors

Construction project management is a field that is focused on the management of finances and related issues in the construction industry. With the rapid emergence and evolution of engineering and technology advancements, construction management has become more focused on the management of various aspects of the building industry. In addition, various environmental factors such as the use of waste materials and the construction management of buildings have been considered for sustainable development.

This Special Issue also deals with the various parameters related to construction management. This allows the authors to develop new and innovative solutions for the design and construction of masonry and reinforced concrete structures. Therefore, this Special Issue calls for papers in (but not limited to) the following areas:

- Project management;
- Risk and critical management;
- Optimization of building assets;
- BIM techniques for the building sector;
- Waste material utilization model;
- Resource management;
- Conservation of historic buildings;
- Structural analysis;
- Scanning of historic shrines;
- Cement composites;
- RCC structures;
- Sustainable Development Goals (SDGs).



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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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