Special Issue

Selected Papers from the 20th International Conference on Building Pathology and Constructions Repair (CINPAR 2024)

Message from the Guest Editors

The theme of building pathology and rehabilitation holds profound importance in today's context of sustainable infrastructure development. As the demand for resilient buildings surges, the significance of enhancing our understanding and practices regarding building pathology and repair cannot be overstated. With the construction sector accounting for nearly half of all raw material consumption and energy usage, it is imperative that we adopt sustainable methodologies. In light of this, the XX International Conference on Building Pathology and Constructions Repair (CINPAR 2024), taking place from May 29th to 31st, 2024, in the city of Fortaleza, Brazil, serves as a catalyst for innovation and collaboration in addressing the challenges faced by the built environment. Dedicated to exploring the multifaceted aspects of building pathology and construction repair, CINPAR 2024 is a global platform for researchers, academics, industry professionals, and policymakers to exchange insights, innovations, and best practices. Selected papers from CINPAR 2024 will be featured in a Special Issue of the journal *Buildings.*

Guest Editors

Prof. Dr. Laís Cristina Barbosa Costa

Prof. Dr. Ana Mafalda Matos

Prof. Dr. Jerfson Moura Lima

Deadline for manuscript submissions

closed (15 August 2024)

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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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