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Strategies to Promote Resilience, Energy Efficiency and Sustainability of the Indoor and Built Environment

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Deadline for manuscript submissions:
closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

Indoor environmental conditions (such as thermal, acoustic, air quality, etc.) have a high impact on people's and workers' well-being and productivity since they spend the most part of a day in indoor environments. The need to ensure that indoor spaces are safe and healthy has become more evident as a result of the recent global pandemic. However, maintaining proper indoor environmental conditions may require buildings to have high-energy consumption and, therefore, a high impact on the sustainability of cities. The aim of this Special Issue is to collect a set of scientific contributions about the current indoor environmental conditions and new trends or strategies to make societies resilient through healthy and sustainable buildings.

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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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