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Research towards the Green and Sustainable Buildings and Cities

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Deadline for manuscript submissions:
30 September 2024

Message from the Guest Editors

This Special Issue underscores the compelling need for multidisciplinary collaboration and innovative solutions and presents a unique opportunity to guide our architectural future towards sustainability. To this end, works from a wide range of scientific areas are invited, including but not limited to: heritage preservation, community enhancement, and the exploration of new frontiers in sustainable architecture.

- green building technologies
- sustainable urban development
- residential sustainability
- healthy building
- ecological village
- traditional settlement revival
- architectural heritage conservation
- computational design
- resource metabolism
- inclusive development

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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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