Special Issue

Community Resilience and Urban Sustainability: A Global Perspective

Message from the Guest Editors

Communities worldwide face challenges such as natural disasters, climate change, and social inequalities. While community resilience focuses on preparing for and recovering from adverse events, building sustainability enhances energy efficiency and minimizes environmental impact. However, these issues are often addressed separately, leading to uncoordinated efforts and heightened vulnerabilities. This Special Issue seeks papers exploring the synergies between community resilience and building sustainability, including frameworks, empirical studies, and case analyses. Topics include:

- Theoretical linkages between resilience and sustainability.
- Community involvement in implementing sustainable solutions and retrofitting infrastructure.
- Urban planning policies integrating resilience and green infrastructure.
- Innovative solutions that minimize vulnerabilities and resource dependence.

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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.

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