Special Issue

Promoting Green, Sustainable, and Resilient Urban Construction

Message from the Guest Editors

With the development of urbanization, humans are increasingly facing problems concerning resources, population, the economy, and the ecological environment due to the Volatile, Uncertain, Complex, and Ambiguous (VUCA) era. The urgent development of resilient and sustainable infrastructures, buildings, and cities is of paramount importance. This Special Issue, entitled "Promoting Green, Sustainable, and Resilient Urban Construction", aims to publish the latest research outcomes that promote urban construction towards heightened sustainability and resilience. We cordially invite scholars from around the world to contribute innovative theoretical, methodological, and empirical research papers that may encompass a diverse array of topics including, though not limited to, urban regeneration, green cities, smart cities, urban infrastructure, and city resilience. Papers on new theoretical and technological advancements, together with practical approaches, are invited to achieve the objectives of sustainable cities and future societies.

Guest Editors

Dr. Lin Zhang

Dr. Zezhou Wu

Dr. Hong Xue

Deadline for manuscript submissions

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Buildings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
buildings@mdpi.com

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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

Prof. Dr. David Arditi
Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

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