

Sustainability in Construction: Techniques, Management and Life Cycle

Guest Editors:

Prof. Dr. Javier Cárcel-Carrasco

Institute of Materials Technology,
Universitat Politècnica de
València, 46022 Valencia, Spain

Prof. Dr. Aurora Martínez-Corral

Department of Architectural
Constructions, Universitat
Politècnica de València, 46022
Valencia, Spain

Prof. Dr. Luis Palmero-Iglesias

Department of Architectural
Constructions, Universitat
Politècnica de València, 46022
Valencia, Spain

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Message from the Guest Editors

This Special Issue will invite the best papers presented at the International Conference on Sustainable Construction and Demolition (SCD) (<https://scd.congresos.upv.es/>), aiming to bring together international institutions, researchers, professionals, and students to exchange their knowledge and experiences. Contributions will be related to sustainability in the construction industry during the entire lifecycle process: from project design to the demolition, reuse and recycling of waste, in the context of the global environment and a circular economy.

This international challenge is key to promoting the ecological use of materials, the rational use of energy with renewable systems and energy-efficient buildings, the dismantling and recycling processes, and the management of waste generated in all these activities.

For scholars interested to submit papers to the Special Issue, please click “Submit to Special Issue” or contact Astoria Yao: astoria.yao@mdpi.com.



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Special Issue

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

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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Buildings Editorial Office
MDPI, St. Alban-Anlage 66
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