



Optimization and Evaluation of Climate Responsive Design Solutions for Buildings and Cities

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Message from the Guest Editors

The ever-increasing evidence of climate change impact on the built environment and the recent IPCC projections call for effective and innovative design approaches to concretely tackle the most urgent challenges and particularly those dealing with the use of water and resources while supporting the energy transition in time of unprecedented uncertainty. The launch of the EU Recovery Plan represents an urgent claim for a global reaction and for more comprehensive solutions able to consider the complexity of strongly interrelated phenomena.

Climate Responsive Design represents the combination of several approaches and strategies to make buildings and cities able to respond to contemporary challenges optimizing their systems, configuration and operation according to variable and sometimes extreme context conditions.

This Special Issue of Sustainability is aimed at collecting scientific contributions on climate responsive solutions focusing on adaptive capacity, energy efficiency and environmental quality carefully considering technical, social, economic implications.





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