

## Special Issue

# Optimization and Evaluation of Climate Responsive Design Solutions for Buildings and Cities: 2nd Edition

### Message from the Guest Editors

The recurrency of extreme weather conditions and the impact of climate change on the built environment call for an urgent and deep reflection not only on solutions able to support the achievement of a carbon-neutral society, but also on how to deal with resource scarcity that will affect many regions across the globe in the next decades. 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 aims at collecting scientific contributions on climate-responsive solutions focusing on adaptive capacity, energy efficiency and environmental quality of buildings and cities carefully considering technical, social, economic implications.

- Climate Adaptive Building solutions.
- Mitigation and adaptation actions at urban scale.
- NBS and the water management in the built environment.
- Water scarcity and its impact in the building sector.
- Predictive and/or operative frameworks for climate-resilient cities.

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### Guest Editors

Dr. Jacopo Gaspari

Dr. Lia Marchi

Dr. Laura Aelenei

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### Deadline for manuscript submissions

closed (30 June 2025)



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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

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