Special Issue

The Built Environment in a Changing Climate: Interactions, Challenges and Perspectives: Part II

Message from the Guest Editors

Worldwide, the built environment is being strongly challenged by climatic alterations that put a strain on (i) energy needs for cooling and the release of anthropogenic heat, (ii) mortality and morbidity due to overheating and air pollution, (iii) productivity and wellbeing, and (iv) access to public spaces and social prosperity. Therefore, it is worth asking, how can we mitigate buildings' and cities' burden on local/global environmental change? In this context, this Special Issue aims to publish high-quality papers targeting the following goals:

- Collecting criteria and methods to develop meteorological datasets;
- Establishing innovative monitoring systems to capture the impacts of climate on the built environment;
- Defining the energy and comfort metrics in future buildings;
- Estimating impacts in terms of air quality and heat-related mortality and morbidity rates;
- Investigating the interaction between global and local climate changes;
- Defining governance models, legal frameworks, and agenda-setting methods to prioritize climate policies;
- Defining criteria and targets for urban and building integrated design in a warmer world.

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Message from the Editor-in-Chief

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.7 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2024).