



Resilient Built Environment and Public Health

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Message from the Guest Editors

Dear Colleagues,

COVID-19, extreme weather events, climate change and increasing energy demands have made the requirements of a resilient built environment multi-faceted and urgent. The built environment needs to adapt to stresses. This will require changes in infrastructure ranging from transportation to homes, offices, utilities and health care facilities, as well as the social infrastructure supporting these systems. Even more significant, a resilient built environment must anticipate, respond and adapt to emerging risks. To do so there is a need to understand the fundamental physics governing the heat and mass transfer of outdoor/indoor environments, and their interaction with the surroundings. It is essential to identify, measure and correlate the associated risks for the different stressors. These will require assessment tools ranging from field measurements to full-scale and reduced-scale laboratory measurements as well as numerical methods.

The Special Issue aims to summarize the latest ideas and visions that will shape a built environment that is resilient and ensures the health and well-being of the occupants and users of the environment.





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Message from the Editor-in-Chief

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