



Environmental Monitoring Techniques for Climate Change Resilient Cities

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Message from the Guest Editors

Dear Colleagues,

The on-going climate change and the urbanization trend highlights an urgent need to undertake tailored adaptation and mitigation strategies to be effectively implemented. Urban morphology and metabolism alter the energy balance of cities and the atmospheric chemistry, resulting in hazardous conditions for human health and in high energy expenditure of the building stock to keep comfortable indoor environments. Urban structure complexity and the density of anthropogenic activities in cities generate highly heterogeneous conditions that require a fine-grain spatial investigation for deploying tailored interventions in a resilient planning perspective.

This SI aims to collect research works that foster innovation in collecting, managing, and processing environmental data retrieved by different sensing technologies for leading the urban resilience planning with specific attention on citizens' wellbeing enhancement. We welcome critical, conceptual and empirical papers that explore potentials in urban resilience planning through the implementation of diversified data gathering techniques.





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