Special Issue

Climate Change Resilience and Urban Sustainability

Message from the Guest Editors

Climate change is likely to increase the frequency and intensity of weather-related hazards in the urban environment, and many cities are grappling with the potential impacts of these hazards. To enhance resilience of urban systems to climate change, an integrated coupled approach that encompasses social, ecological, and technological systems has been suggested. This Special Issue seeks to introduce a collection of such endeavors, drawing from the fields of urban climate science, ecology, engineering, geography, hydrology, planning, and more. We welcome papers addressing, but not limited to, the following issues:

- Extreme events and urban infrastructure resilience
- Effects of extreme events on hydrology and ecology in the urban environment
- The role of urban green infrastructure in achieving climate resilience
- Spatial analysis of vulnerable urban populations to climate-related events
- Evolution of urban policy and knowledge systems addressing climate resilience
- Climate change adaptation planning
- Modeling coupled socio-eco-technological systems to address urban climate resilience

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Deadline for manuscript submissions

closed (31 January 2019)

Climate

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 5.7

mdpi.com/si/15696

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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 21.6 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).