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Climate Change and Resilience of Human Settlements

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- Discussions about climate adaption governance, social dynamic mechanism, and behavioural and psychological adaptation for human settlements through cross-disciplinary research in Landscape Architecture, Sociology, Economics, Geography, Management, etc.
- The application innovation in the fields of spatial planning, urban design, landscape design, engineering, emerging technology, and cross-disciplinary research to realise the goals of peaking carbon emissions and achieving carbon neutrality
- The explorations of emerging technologies such as Big Data and AI on climate risk evaluation and management, climate change scenario analysis, extreme climatic event warning, and low-carbon intelligent planning and design

Climate change poses challenges for human survival and societal development, including frequent urban disasters such as high wave and urban waterlogging, as well as extreme weather events such as sea level rise, floods, tropical storm, wide-range drought, and high temperature in polar regions. Contributed in part by reducing greenhouse gas emission, and also by the means of improving local resilience, the international community have been working on mitigating the uncertain impact of climate change. Against the backdrop of carbon reduction policy such as Carbon Emission Peak and Carbon Neutrality proposed by Chinese government, regional sustainable progress inevitably calls for resilient strategies for human settlements that address local issues upon climate change adaption and resilience theories. Since the impact of climate change on human settlements, risk and resilience assessment methods, and spatial and technological strategies have already broadly studied by international academia, more attention should be taken into research on spatial planning, urban design, landscape design, innovative engineering, emerging technology application, and interdisciplinary perspective to strive to realize the goals of peaking carbon emissions and achieving carbon neutrality.

To this end, this issue expects to discuss the resilient strategies adaptive to climate change for improve human settlements at varied scales. Introducing international perspectives, ***LA Frontiers*** encourages the bridging the latest research outcome with application and practice.

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