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DESCRIPTION

Urban Climate serves the scientific and decision making communities with the publication of research on theory, science and applications relevant to understanding **urban climatic conditions** and change in relation to their **geography** and to **demographic, socioeconomic, institutional, technological** and **environmental dynamics** and **global change**. Targeted towards both disciplinary and interdisciplinary audiences, this journal publishes original research papers, comprehensive review articles, book reviews, and short communications on topics including, but not limited to, the following: **Urban meteorology and climate:**• Urban canopy and boundary layer• Urban heat island effects• Coastal flooding• Urban energy budget • Impact of urban meteorology, materials, and form on urban energy use• Urban hydrologic cycle• Urban-coastal interactions• Feedbacks between air quality, local climate and global climate change• Urban impact on precipitation• Urban microclimate and weather events **Urban environmental pollution:**• Emissions and chemistry • Urban air quality• Aerosol formation and dynamics• Large-scale pollution from urban agglomerations• Emergency preparedness• Indoor and outdoor environment• Population exposure and health impacts• Urban vegetation impacts and green cities **Adaptation** to global change:• Urban drivers of climate change• Urban vulnerability to climate hazards and climate change • Urban infrastructure systems• Flood control• Energy supply• Urban ecosystems• Urban water **Urban economic and social issues:**• Urban climate impacts and environmental justice• Urban climate and public health• Urban transportation systems• Urban materials, energy consumption, and health• Poverty, gender and vulnerability in urban areas• Urban migration and demographic change• Urban housing and land markets• Urban policy, planning and design• Urban land use and land cover• Urban governance, institutions and innovation• Relationships between urban and non-urban areas• Cities in the global context• Neighborhoods and urban spaces
Research Approaches: • Theory• Modeling and decision support tools• Monitoring and analysis

ABSTRACTING AND INDEXING

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INTRODUCTION

Urban Climate serves the scientific and decision making communities with the publication of research on theory, science and applications relevant to understanding urban climatic conditions and change in relation to their geography and to demographic, socioeconomic, institutional, technological and environmental dynamics and global change. Targeted towards both disciplinary and interdisciplinary audiences, this journal publishes original research papers, comprehensive review articles, book reviews, and short communications on topics including, but not limited to, the following:

Urban meteorology and climate

- Urban canopy and boundary layer
- Urban heat island effects
- Coastal flooding
- Urban energy budget
- Impact of urban meteorology, materials, and form on urban energy use
- Urban hydrologic cycle
- Urban-coastal interactions
- Feedbacks between air quality, local climate and global climate change
- Urban impact on precipitation
- Urban microclimate and weather events

Urban environmental pollution

- Emissions and chemistry
- Urban air quality
- Aerosol formation and dynamics
- Large-scale pollution from urban agglomerations
- Emergency preparedness
- Indoor and outdoor environment
- Population exposure and health impacts
- Urban vegetation impacts and green cities

Adaptation to global change

- Urban drivers of climate change
- Urban vulnerability to climate hazards and climate change
- Urban infrastructure systems
- Flood control
- Energy supply
- Urban ecosystems
- Urban water

Urban economic and social issues

- Urban climate impacts and environmental justice
- Urban climate and public health
- Urban transportation systems
- Urban materials, energy consumption, and health
- Poverty, gender and vulnerability in urban areas
- Urban migration and demographic change
- Urban housing and land markets
- Urban policy, planning and design
- Urban land use and land cover
- Urban governance, institutions and innovation
- Relationships between urban and non-urban areas
- Cities in the global context

- Neighborhoods and urban spaces

Research Approaches

- Theory
- Modeling and decision support tools
- Monitoring and analysis

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