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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

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