

Special Issue

Urban Heat Island Effects in Global Cities: Balancing Rapid Urbanization, Land Surface Temperature Dynamics, and Sustainable Adaptation Strategies

Message from the Guest Editors

Urban Heat Islands significantly influence urban environments worldwide, leading to increased temperatures compared to surrounding rural areas. Rapid urbanization, accompanied by extensive land use and land cover changes, exacerbates Urban Heat Islands, impacting public health, environmental quality, and urban sustainability. This research area has become increasingly important due to climate change and its amplified impacts in densely populated urban regions.

This Special Issue aims to collect papers (original research articles and review papers) to give insights into the complex relationships between rapid urbanization, Land Surface Temperature dynamics, and sustainable adaptation strategies within urban settings. In line with the focus of the journal *Land*, this Special Issue emphasizes interdisciplinary approaches in urban planning, environmental science, remote sensing, geoinformatics, and policy formulation to support sustainable urban development and climate change adaptation.

We look forward to receiving your original research articles and reviews.

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About the Journal

Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

Editor-in-Chief

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