

## Special Issue

# Impacts of Land Use and Climate Change in Urban Area: Big Data and Machine Learning

### Message from the Guest Editor

Urbanization is growing rapidly across the globe, and cities are facing enormous challenges, including efficient management of land resources, the impacts of climate change, and the pressure of sustainable development. Under this background, big data and machine learning technologies are coming to the fore, providing powerful tools to address these complex issues. Through real-time data collection and analysis, urban authorities can track various sustainable development indicators, such as land use change, carbon emissions, air quality, and green coverage. It enables planning departments to adjust policies and plans in a timely manner to ensure that cities develop in a sustainable direction. We encourage authors to share new technologies and theories in the study of land use change simulation, urban heat island effect, and environmental issues in sustainable development, as well as case studies on land use change, urban climate, and sustainability in typical regions. We very much look forward to your submissions.

### Guest Editor

Dr. Maomao Zhang

College of Public Administration, Huazhong University of Science and Technology, Wuhan 430079, China

### Deadline for manuscript submissions

closed (23 October 2024)



## Atmosphere

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*Atmosphere*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[atmosphere@mdpi.com](mailto:atmosphere@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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### Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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