Special Issue

Advances in Urban Flood Modeling: Exploring the Impacts of Land Use, Climate Change, and Green Infrastructure on Flood Risks and Mitigation Strategies

Message from the Guest Editors

Urban floods pose significant challenges to sustainable development worldwide, leading governments to implement various policies, such as the "Low Impact Development" strategy in the United States and sponge city planning in China. In this regard, clarifying the factors affecting urban floods is fundamental for sustainable land management. In fact, the effectiveness of these actions relies greatly on having a clear overview of the factors influencing urban floods. Previous studies have shown that urban flood is significantly affected by both natural and anthropogenic factors.

This Special Issue aims to gather original research articles and review papers on recent advances in urban flood modeling. We invite manuscripts exploring the impacts of urban development, climate change, and green infrastructure on flood risks and mitigation strategies, with themes including, but not limited to:

- Relationship between land use changes and urban floods;
- Relationship between land use patterns and urban floods;
- Future urban flood risk simulation and prediction;
- Impact of land use management on flood risk mitigation strategies.

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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. I strongly recommend Land for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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