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Remote Sensing in Urban Flooding Monitoring

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Deadline for manuscript submissions:
closed (15 July 2023)

Message from the Guest Editors

Monitoring urban flooding is a major challenge because flooding is a direct and rapid consequence of rainfall. Rainfall forecasting is still a very difficult task due to the complexity of large-scale meteorological factors and surface topographic influence. Fortunately, many Earth Observation satellites have been launched into orbit to enhance the human capacity to monitor and manage the planet. In this Special Issue, we invite all researchers and scientists to contribute to, among others, floodwater detection, flood susceptibility mapping, and flood forecasting methods in urban areas using remote sensing (RS), geographic information systems (GISs), machine learning (ML), and deep learning (DL). We also encourage research that applies numerical modeling, artificial intelligence (AI), as well as modern image analysis techniques and field surveys to be submitted to this Special Issue. The following topics are going to be considered in this Special Issue:

Flood forecasting methods;
Flood susceptibility mapping;
Urban flood management;
Flood in coastal cities;
Urban flood under climate change.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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