



Remote Sensing Applications in Flood Forecasting and Monitoring

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Message from the Guest Editors

Dear Colleagues,

The characteristics of a flood region are extracted using remote sensing technology, which also provides information on potential hazards and challenges. The technology is frequently used for making post-flood damage assessments and comprehensive mapping of flood extents. By employing high-resolution imagery of the area before and after the disaster, it can be utilized to assess the impact caused by flooding events. Remote sensing is crucial for disaster-related assessments because quick and accurate information about the location, area, and severity of a disaster's damage is required to support response and recovery efforts. One of the recent developments in the application of remote sensing to flood-related problems is the use of LIDAR sensors. Considering all these advantages of remote sensing, the main objective of this Special Issue is to provide a scientific forum for advancing the successful application of remote sensing (RS) technologies and geographic information system (GIS)-based methods toward flood forecasting and monitoring in various flood-prone terrains.





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Message from the Editor-in-Chief

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