Special Issue

Remote Sensing Applications in Flood Forecasting and Monitoring

Message from the Guest Editors

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

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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