Special Issue

Remote Sensing of Global Floods: Observing, Modelling, and Forecasting

Message from the Guest Editors

Floods threaten urban and agricultural communities and ecosystems. The escalating humanitarian and financial damages underscore the imperative need for flood management, control, and mitigation strategies. Geospatial science is a pivotal player in these efforts, mainly using a non-structural approach. Flood monitoring enabled by spaceborne observations coupled with artificial intelligence algorithms has transformative potential in designing modern early detection, flood response, and management systems. The primary aim of this Special Issue is to advance geospatial science's role in flood management. With a specific focus on satellite observations and artificial intelligence algorithms, the goal is to showcase innovative research contributing to efficient flood monitoring. This Special Issue seeks to facilitate interdisciplinary discussions, highlighting novel methodologies and spatial modeling techniques utilizing GISs, artificial intelligence, statistical methods, and multi-criteria decision making. With this goal in mind, this Special Issue aims to significantly contribute to improving flood mitigation.

Guest Editors

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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.

Editor-in-Chief

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