

Special Issue

Real-Time Flood Monitoring and Prediction Using Integrative Remote Sensing and AI

Message from the Guest Editors

Climate change forecasters predict an increasing number of intense precipitation events with consequent flashes, riverine, and urban floods. An accurate and rapid mapping of these phenomena is a key component of effective emergency management and disaster risk reduction plans. Big data on Earth observation, such as the data acquired by the Copernicus programme, are providing unprecedented opportunities to help forecast and monitor floods. Spatial information derived from remotely sensed data (e.g., satellites, aircrafts, and drones) or models associated with artificial intelligence is playing an increasingly important role in forecasting and monitoring in the different types of floods in real time. This Special Issue of Remote Sensing solicits papers that present innovative remotely sensed data, as well as hydrological models combined with artificial intelligence techniques to support monitoring and forecasting floods (especially in urban areas), in order to support efforts to better manage flood crises.

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.

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