Special Issue

Remote Sensing Data Application for Early Warning System

Message from the Guest Editors

Due to the human and financial damage caused by natural hazards, scientists have always been looking for ways to predict and mitigate the destructive effects of such events. Remote sensing and, in particular, satellite data are very suitable tools for monitoring Earth's surface, atmosphere, and even ionosphere environment. The advantage of satellite data relies on its wide global coverage, cheapness, and continuous timeliness. A variety of satellite data such as optical, gravimetric, altimetric, magnetometric, radar image data, etc. can be used as data input for an early warning system. The progress of hardware and software for data processing systems has made it possible to use a large amount of different input data. Furthermore, communication satellites could be fundamental to guarantee a reliable and quick data link between the place where the hazard occurred and the data processing center. Finally, artificial intelligence and the use of deep learning algorithms and fusion systems of various data sources have made it possible to model complex relations between input data sets and output parameters.

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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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