Special Issue

Recent Advances in Water and Wetland Studies with Remote Sensing Techniques

Message from the Guest Editors

Water and wetland ecosystems not only provide valuable water resources that all lives depend on but also serve as home to various precious animal and plant species. However, water and wetlands security is threatened by natural drivers and anthropogenic factors. Climate change and global warming have altered the patterns of precipitation and evaporation, changing water availability and causing severe droughts and floods. The increase in the global population has expedited the exploitation of wetlands for crop cultivation and urban expansion. Multisource remote sensing data (e.g., optical, SAR, and Lidar) and various approaches (e.g., machine learning, deep learning, and cloud computing) were used to map the extent of water and wetlands, analyze their changes, and evaluate water and wetlands security. This Special Issue aims at studies covering different uses of remote sensing data and techniques in water and wetlands sciences.

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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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