Special Issue

Remote Sensing of Water Bodies

Message from the Guest Editors

Inland and coastal water bodies are crucial for various services for human societies. Under the context of a changing climate and intensified human interventions, the quality and quantity of water bodies has evidently been changing. Satellite remote sensing is an efficient and crucial tool for monitoring and sustainable management of those water resources. However, it is still very challenging for algorithm development and various applications due to the sensor's electromagnetic interaction with the atmosphere and complex substances in waters. In recent years, research on remote sensing of inland water color has greatly increased. However, the water mass has to some extent been less focused on. Meawhile, the rapid development of mathematic techniques (e.g., machine learning) and cloud computation platforms (e.g., Google Earth Engine) provides new opportunities to improve the capacity of satellite remote sensing for water monitoring. There is a clear need to share approaches and new ideas that can be used to strenthen the approach of investigating water quality or water storage. For more information, please visit: mdpi.com/si/63131

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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