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Earth Observation Technologies for Monitoring of Water Environments

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editors

Water covers a large part of our planet and is essential for human life. Water woes, strictly linked with food security, climate change, and the most important challenges for humans, affect millions of people all over the world. Earth observation is an essential resource to provide crucial information for an integrated water resource management.

With this Special Issue, we intend to bring out the most recent Earth Observation technologies for monitoring oceans, wetlands, rivers, lakes, and coastal environments.

In particular, we solicit contributions describing:

- Innovative methodologies for detecting water bodies with synthetic aperture radar and/or multispectral sensors;
- Models and simulations of the electromagnetic scattering from the water surface, also in the presence of surface active materials;
- Applications of Earth observation techniques for monitoring water scarcity, water quality, and water pollution;
- Applications of remote sensing to water resource management;
- Remote sensing data assimilation within hydrological models.

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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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