Special Issue

Irrigation Mapping Using Satellite Remote Sensing

Message from the Guest Editors

In a context of scarcity of water resources and high consumption of resources by agriculture, irrigation becomes a major scientific and societal challenge. The scientific community has so far mainly used optical remote sensing for monitoring irrigation. The arrival of new free and open access optical and radar sensors (such as Copernicus Sentinel missions) with very good spatial and temporal resolutions has made it possible to intensify the work of mapping irrigation and water management with remote sensing data. In this issue, the main objective is to highlight the scientific works related to irrigation: - Mapping of irrigated areas using optical and radar remote sensing - Assimilation of satellite data in irrigation models for monitoring water consumption - Estimation of land surface flows for better irrigation management

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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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