Special Issue

Applied Remote Sensing in Irrigated Agriculture

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Remote sensing-based land surface energy balance for water resources management and irrigation;
- Remote sensing-based soil–water balance for sustainable irrigation practices;
- Development and application of innovative sensors for monitoring crop water demand and stress;
- Advances in hydrology and water resource modeling for efficient irrigation strategies;
- Atmospheric science and meteorological modeling for improved irrigation scheduling and climate adaptation;
- Remote sensing applications in evapotranspiration mapping for irrigated cropping systems;
- Leveraging UAV and satellite platforms for real-time irrigation decision support;
- Spatial and temporal variability of soil water content using remote sensing for irrigation optimization;
- Integration of remote sensing with machine learning for predicting crop yield and irrigation water demand.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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