

## Special Issue

# Multi-Source Remote Sensing Data Fusion for Crop Yield Prediction Through AI and Agro-Hydrological Advances

### Message from the Guest Editors

This Special Issue aims to advance interdisciplinary research at the intersection of multi-source remote sensing, agro-hydrological modeling and AI-driven data analytics for crop monitoring and yield prediction. It aligns with the scope of *Remote Sensing* by emphasizing methodological innovation, the integration of heterogeneous datasets and operational applications. The Special Issue particularly encourages contributions that combine EO data with evapotranspiration estimation, irrigation assessment, soil moisture and crop water modeling, alongside machine learning and computer vision approaches, to develop scalable and transferable solutions for agricultural monitoring and decision support. Submissions addressing uncertainty quantification, model generalization, cloud-based processing platforms and applications for food security and decision support are particularly encouraged.

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### Guest Editors

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Dr. Thangarajah Akilan

Dr. Rishiraj Dutta

Dr. Lachezar Filchev

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### Deadline for manuscript submissions

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## Remote Sensing

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## About the Journal

### Message from the Editorial Board

*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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### Editors-in-Chief

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