Special Issue

Crop Yield Prediction Using Remote Sensing Techniques

Message from the Guest Editor

Global agricultural systems are increasingly being challenged by climate variability, land-use change, and the growing demand for food security. Accurate, timely, and scalable methods for crop yield prediction are essential to support precision agriculture, optimize resource use, and guide policy decisions. In this context, remote sensing has emerged as a powerful tool for monitoring crop dynamics and estimating yield across spatial and temporal scales. With advances in satellite, UAV, and sensor technologies—as well as machine learning and data fusion approaches—yield modeling has entered a new era of precision and operational feasibility.

This Special Issue aims to explore cutting-edge research and innovative applications of remote sensing techniques for crop yield prediction. It aligns with the journal's scope by promoting interdisciplinary studies that integrate Earth observation, agronomy, environmental science, and computational methods to address agricultural challenges. Contributions are encouraged from both methodological and applied perspectives, covering a wide range of crops and agroecological regions.

Guest Editor

Dr. Maninder Singh Dhillon

Department of Remote Sensing, University of Wuerzburg, 97074 Würzburg, Germany

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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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.

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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