

Special Issue

Application of Remote Sensing Data in Crop Monitoring and Crop Yield Prediction

Message from the Guest Editor

We invite original and review articles on the latest progress in elaborating new methods and algorithms for crop monitoring and crop yield prediction using satellite and UAV data, in understanding mechanisms of the forming of crop spectral reflection properties.

Topics appropriate for this Special Issue include but are not limited to the following:

- Application of satellite data for annual and perennial crop monitoring;
- Application of UAV data for annual and perennial crop monitoring;
- Spectral reflectance of crop canopy and plants;
- Crop yield prediction, and forecasting using remote sensing data;
- Crop recognition based on remote sensing data;
- Crop acreage assessment using remote sensing data;
- Crop stress detection based on remote sensing data;
- Risk of crop loss due to unfavorable conditions (drought, frost, insects' invasions, and so on) modeling using remote sensing data;
- Crop weediness detection based on remote sensing data.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2022)



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About the Journal

Message from the Editor-in-Chief

Crops (ISSN 2673-7655) is an international, peer-reviewed, open access journal. It publishes original articles, critical reviews, and short communications in every aspect of crop science. The journal invites contributions concerning production, improvement and utilization of all plants that are grown as crops including grains, oilseeds, forages, vegetables, fruits, nuts, and those grown for industrial uses. Our aim is to publish timely experimental and theoretical research results in a rapid and readily accessible manner. Every published article is made immediately available worldwide with free and unlimited access to everyone. If you want your work to reach a global audience of crop scientists, we invite you to submit a paper to *Crops*, the international journal of crop science.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.4 days after submission; acceptance to publication is undertaken in 4.2 days (median values for papers published in this journal in the second half of 2025).