

Special Issue

Advanced Imaging for Plant Phenotyping

Message from the Guest Editors

Plant phenotyping is an emerging topic applying digital methods to the highly relevant task to optimize the genetic potential, cultivation methods and resource deployment in plant production. In transdisciplinary research, state-of-the-art sensors and data analysis concepts are combined to derive reliable plant-physiological parameters at an increasing throughput. We welcome papers from the global research community actively involved in research on imaging for plant phenotyping. Specific topics include, but are not limited to advanced methods for imaging technologies, sensor setups, and data processing in plant phenotyping:

- Panchromatic, multispectral, and hyperspectral approaches;
- 3D imaging techniques adapted to plants;
- High-throughput sensor platforms;
- Robotics for phenotyping;
- Field phenotyping;
- Stress detection;
- Disease detection;
- Data analysis in plant phenotyping;
- Multi-scale phenotyping;
- Multi-sensor phenotyping.

Guest Editors

Dr. Jan Behmann

Dr. Lasse Klingbeil

Dr. Stefan Paulus

Deadline for manuscript submissions

closed (31 December 2019)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/22776

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)