

Special Issue

Drones for Precision Agriculture: Remote Sensing Applications

Message from the Guest Editors

It is very well known that world population will reach 9100 million by 2050. Therefore, food security should be considered as one of the main targets following the 2030 Sustainable Development Goals. Further, it is not possible to speak about global population increase without considering global warming future scenarios. Precision agriculture should be considered a useful tool to face all these global challenges. Unmanned aerial vehicles have evolved rapidly in the last decade, where different sensors improve sustainable crop production for multiple aspects/applications such as: 3-D maps for soil analysis; Mid-season crop health monitoring; Irrigation equipment monitoring; Pesticide spraying; Increase the yield and quality; Wildlife detection. Basic research studies applied to precision agriculture, in any of the subjects presented are well received—especially those studies that address data analysis techniques, 'exportable' to other applications and crops, facing an 'open science'. Successful experiences of application of the use of drones in agriculture (woody crops, horticulture etc.) based on results of a long-time scale are also expected.

Guest Editors

Prof. Dr. Javier J Cancela

GI-1716, Projects and Planification, Dpto. Ingeniería Agroforestal, Universidad de Santiago de Compostela, Escola Politécnica Superior de Enxeñaría, Rúa Benigno Ledo s/n, 27002 Lugo, Spain

Dr. Rocío Ballesteros González

Crop Production and Agricultural Technology Department, Higher Agricultural and Forestry Engineering School, University of Castilla-La Mancha, Campus Universitario s/n, 02051 Albacete, Spain

Deadline for manuscript submissions

closed (30 September 2021)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



mdpi.com/si/41183

Remote Sensing
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 4.2
CiteScore 8.3



[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)