

## Special Issue

# Innovative Remote Sensing Technologies in Precision Agriculture

### Message from the Guest Editors

This Special Issue welcomes papers on advances in remote sensing for precision agriculture. Topics include, but are not limited to, biochemical and biophysical parameter estimation, soil condition monitoring, yield estimation, pest and disease forecasting, artificial intelligence, novel proximal sensors, and the recent application of multispectral, hyperspectral, LiDAR, SAR, and thermal remote sensing in crop monitoring.

#### Keywords

- artificial intelligence algorithms
- yield estimation
- biochemical and biophysical parameters estimation
- soil condition monitoring
- vegetation remote sensing product validation
- commercial crops, grass, and other crops

---

### Guest Editors

Dr. Weiping Kong

Key Laboratory of Quantitative Remote Sensing Information Technology, Aerospace Information Research Institute, Chinese Academy of Sciences, Beijing 100094, China

Prof. Dr. Pantelis E. Barouchas

Department of Agriculture, University of Patras, 30200 Messolonghi, Greece

---

### Deadline for manuscript submissions

20 September 2026



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/242854](https://mdpi.com/si/242854)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

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

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





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )