

## Special Issue

# Applications of Remote Image Capture System in Agriculture

### Message from the Guest Editors

This Special Issue aims to address the applications of digital photography for the management of water resources, energy, pest and disease control, etc. in agriculture. The concept of remote image capture systems includes different types of devices (from satellites and drones, to digital cameras on the ground integrated in wireless sensor networks), different types of spectral information (from standard RGB images, to multispectral and hyperspectral images), different types of applications (water management, pest detection, yield estimation, plant monitoring, etc.), and different types of techniques (in the fields of image capture systems, image processing and analysis, computer vision and pattern recognition, decision support systems, etc.). Manuscripts covering these topics are invited to participate in the present Special Issue.

- digital photography
- agricultural engineering
- mathematical models
- hydrology
- energy efficiency
- multispectral and hyperspectral imaging systems
- drones and satellites in agriculture

### Guest Editors

Prof. Dr. José Miguel Molina Martínez

Department of Agricultural Engineering, Technical University of Cartagena, 30202 Cartagena, Spain

Prof. Dr. Ginés García-Mateos

Department of Computer Science and Systems, University of Murcia, 30100 Murcia, Spain

### Deadline for manuscript submissions

closed (10 July 2020)



## Applied Sciences

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/29486](https://mdpi.com/si/29486)

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

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

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





# 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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