

## Special Issue

# Spatial Analysis of Agricultural Data

### Message from the Guest Editor

Automation with new technologies, sensors, yield monitors, internet of things (IoT) and drones and robots, as well as the use of GIS methods, artificial intelligence (AI), highly structured mathematical models and Big Data statistical techniques, serves as the basis for a global “Digital Twin”. This conceptualization will contribute to the development of site-specific conservation and management practices that will increase the income and global sustainability of agricultural systems. The spatial analysis of agricultural data is a key element in this context. This Special Issue is intended for a wide and multidisciplinary audience and presents some of the most recent advances and novel approaches in the spatial analysis of agricultural data. This Special Issue is open but not restricted to any of the following areas:

- precision agriculture
- ICT applications
- Internet of Things (IoT)
- GIS applications
- remote sensing
- spatial statistics
- geospatial artificial intelligence
- clustering
- spatial prediction

---

### Guest Editor

Prof. Dr. Antonio López-Quílez

Department of Statistics and Operational Research, University of Valencia, Dr. Moliner 50, 46100 Burjassot, Spain

---

### Deadline for manuscript submissions

closed (20 July 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/84035](https://mdpi.com/si/84035)

*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 )